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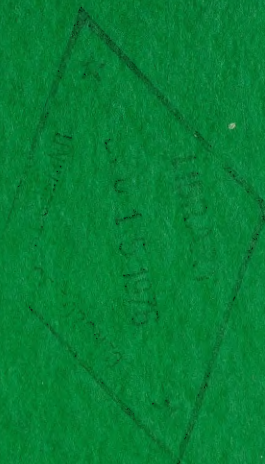
Hon. George A. Kerr, Minister
Everett Biggs, Deputy Minister

108

Water Resources
Bulletin 3-10
Surface Water Series

Government
Publications

SELECTED STREAMFLOW DATA FOR ONTARIO 1975



CA26N WR 25

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Government
Publications

WATER RESOURCES
BULLETIN 3-10
Surface water series


**SELECTED
STREAMFLOW
DATA FOR
ONTARIO
1975**

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO

ONTARIO



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INTRODUCTION

This bulletin contains streamflow data collected during 1975 by personnel of the Ministry of the Environment.

The basic data were collected and compiled by the Water Resources Assessment Units of the Ministry's Regional Offices at London, Stoney Creek, Don Mills, Kingston and Sudbury.

This publication was prepared by personnel of the Hydrology and Monitoring Section of the Water Resources Branch, Ministry of the Environment, Toronto.

Enquiries concerning the data in this bulletin should be made to the following:

Hydrology and Monitoring Section
Water Resources Branch
135 St. Clair Avenue West
Toronto, Ontario

Technical Support Section
London Regional Office
985 Adelaide Street South
London, Ontario

Technical Support Section
Kingston Regional Office
133 Dalton Street
Kingston, Ontario

Technical Support Section
Hamilton Regional Office
140 Centennial Parkway North
Stoney Creek, Ontario

Technical Support Section
Toronto Regional Office
150 Ferrand Drive
Don Mills, Ontario

Technical Support Section
Sudbury Regional Office
469 Bouchard Street
Sudbury, Ontario

Other Data Sources

Data collected by the Regional Offices on a daily basis throughout the year in Southern Ontario are not published in this bulletin. For convenience, these data are included in the Federal Government publication, "Surface Water Data - Ontario". That publication, which includes stream-flow and water-level data for numerous rivers and lakes in the Province, is published annually by Water Survey of Canada. Enquiries should be made to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

DATA QUALITY

Many of the flows were determined by direct measurements; others are values calculated from a reading of water elevation and an empirically determined stage-discharge relationship.

The following terms are used to describe the quality of the records:-

- Excellent: Records obtained at a site where an intensive discharge measurement program has produced a well-defined and stable stage-discharge relationship.
- Good: Records obtained from a site where an intensive discharge measurement program has produced a well-defined stage-discharge relationship which is not completely stable due to minor shifting of the stream bed or other channel properties which control water levels.
- Fair: Records obtained from a site where scarcity of discharge measurements has permitted only moderate definition of the stage-discharge relationship.
- Poor: Records obtained from a site where an unstable control, poor discharge measurement section or discharge measurements has resulted in a poorly defined stage-discharge relationship.

DEFINITION OF TERMS AND ABBREVIATIONS

"Cubic foot per second" (cfs) is the unit expressing the rate of stream-flow discharge used in this bulletin.

"Acre-foot" (ac-ft) is the volume of water required to cover an area of one acre to a depth of one foot. It is equal to 43,560 cubic feet.

"WPCP" Water Pollution Control Plant.

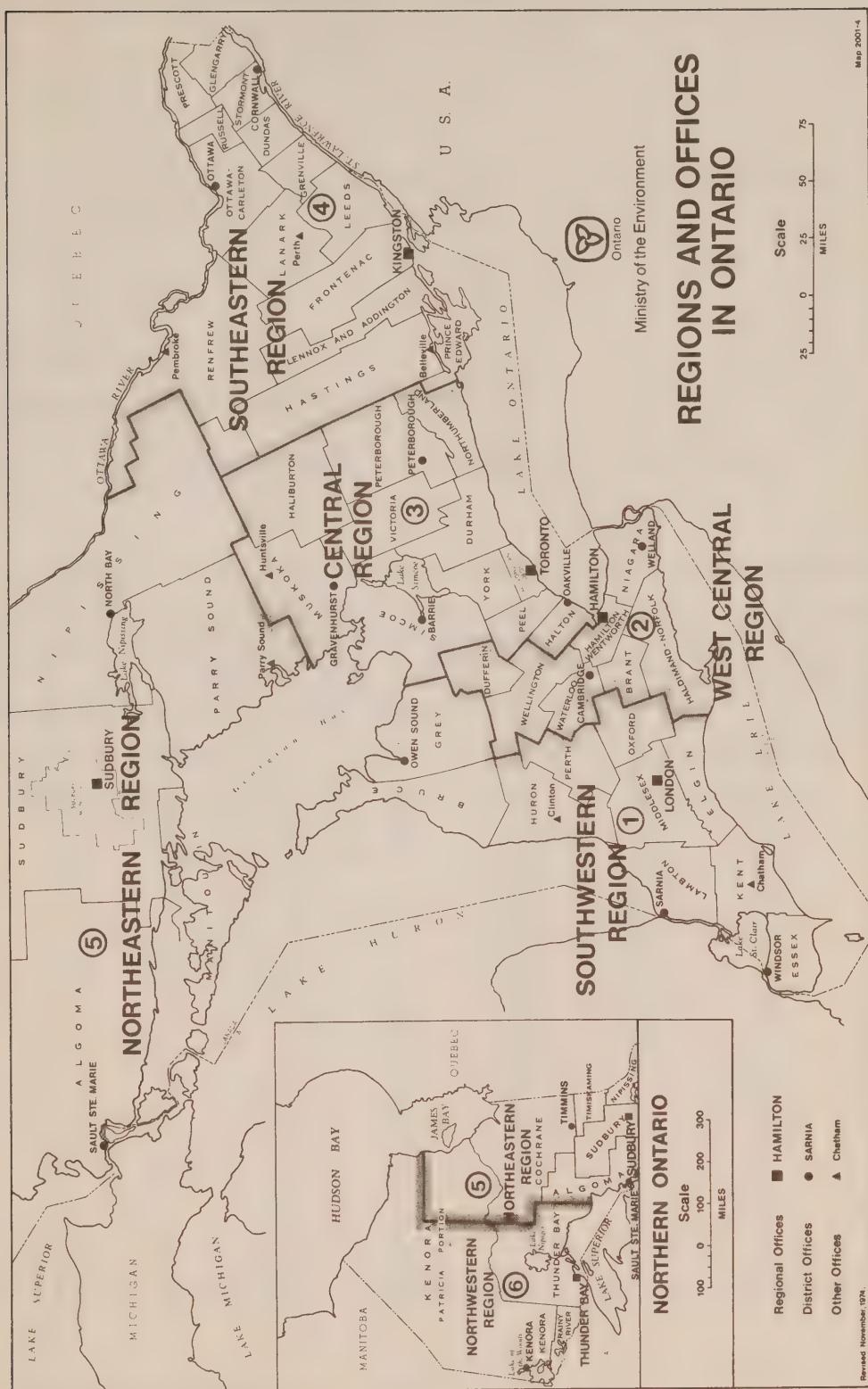
"No Flow" (N.F.) This notation indicates a field observation of either no streamflow, or a flow of less than 0.05 cfs.

1 cubic foot equals 6.232 Imperial gallons.

1 cubic foot per second equals 374 Imperial gallons per minute.

1 cubic foot per second for one day equals 1.984 acre-feet.

1 cubic foot per second equals 0.0283 cubic meters per second.



ABERFOYLE CREEK AT ABERFOYLE

Station No. 02GA107

Location: At the concrete culvert, on Hwy. 6 in the Community of Aberfoyle

Gauge: Staff

Drainage Area: 10.2 square miles

Period of Record: July 1974 to December 1975

Remarks: See following page for previously unpublished 1974 data

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 20	17.1	Apr. 15	8.1			Nov. 28	2.2
Mar. 25	12.1	Apr. 21	10.7			Dec. 23	2.5
		May 7	12.8				
		May 30	2.1				
		June 18	4.7				

ABERFOYLE CREEK AT ABERFOYLE

Station No. 02GA107

1974							
Jan. to March		April to June		July to Aug.		Sept. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 17	1.2	Sept.13	0.2
				July 22	0.5	Sept.18	1.0
				July 24	0.3	Sept.23	0.4
				Aug. 1	0.1		
				Aug. 12	0.2		
				Aug. 14	0.1		
				Aug. 16	0.1		
				Aug. 19	0.1		
				Aug. 29	0.9		

Station No. 02GA108

Remarks: See following page for previously unpublished 1974 data.

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 24	21.5	Apr. 15	10.4	July 7	1.7	Nov. 28	6.0
		May 6	30.6			Dec. 23	4.0

ABERFOYLE CREEK TRIBUTARY NEAR ABERFOYLE

Station No. 02GA108

1974							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				Aug. 1	3.9		
				Aug. 12	4.0		
				Aug. 16	3.3		
				Aug. 19	3.1		
				Aug. 29	3.6		
				Sept.11	3.0		
				Sept.13	4.3		
				Sept.18	4.1		
				Sept.23	5.8		

ABERFOYLE CREEK BELOW ABERFOYLE

Station No. 02GA109

1974							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 28	15.1	July 19	6.4	Sept.11	5.2
				July 22	5.2	Sept.13	6.0
				July 24	4.6	Sept.18	7.3
				Aug. 1	7.8	Sept.23	5.7
				Aug. 12	6.2		
				Aug. 16	6.1		
				Aug. 19	4.3		

ALBEMARLE CREEK NEAR MAR

7

Station No. 02FA102

Location: At the culvert on Hwy. 6, about 0.7 mile north of the Community of Mar

Gauge: None

Drainage Area: 10.8 square miles

Period of Record: May to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 23	8.3	July 10	<0.5	Oct. 1	2.7
		June 4	5.4	July 23	<0.5	Oct. 15	2.8
		June 18	3.9	Aug. 6	<0.5	Oct. 29	2.1
				Aug. 20	<0.5	Nov. 26	12.2
				Sept. 16	<0.5		

Station No. 02HB111

Location: At the bridge on the west campus of McMaster University, about 0.2 mile above the confluence with Spencer Creek, in the City of Hamilton

Gauge: None

Drainage Area: 17.5 square miles

Period of Record: July 1972 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 16	8.2	July 9	4.0		
		May 30	6.0	July 23	5.2		
		June 13	11.3	Aug. 7	0.8		
		June 24	5.6				

AUSABLE RIVER BELOW EXETER

9

Station No. 02FF103

Location: At the bridge on Hwy. 83 about 0.8 mile west of the junction with Hwy. 4 in the Town of Exeter

Gauge: None

Drainage Area: 42 square miles

Period of Record: June to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 12	10.8	July 16	5.0	Oct. 6	5.8
		June 25	10.3	July 29	4.5	Oct. 20	5.2
				Aug. 12	1.4	Oct. 22	3.9
				Sept. 22	30.8	Nov. 17	13.6
						Dec. 1	60.1

AUSABLE RIVER ABOVE EXETER

Station No. 02FF104

Location: Below the Morrison Lake dam, at the bridge on
Concession 2-3, Township of Usborne, about 1
mile east of the Town of Exeter

Gauge: None

Drainage Area: 37 square miles

Period of Record: July to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 16	4.0	Oct. 6	5.4
				July 29	1.6	Oct. 20	3.7
				Aug. 12	1.2	Oct. 22	3.9
				Sept.22	26.7	Nov. 17	11.0
						Dec. 1	51.0

11

Station No. 02FF105

Gauge: None

Period of Record: June to December 1975

[illegible]

AUSABLE RIVER NEAR CREDITON

Station No. 02FF106

Location: At the bridge on Stephen Township Side Road 1,
about 2 miles southeast of the Police Village
of Crediton

Gauge: None

Drainage Area: 186 square miles

Period of Record: July 1968 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging
Site Data section of previous bulletins in this
series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 12	24.8	July 16	7.4	Oct. 6	11.0
		June 25	32.5	July 29	5.2	Oct. 20	7.5
				Aug. 12	4.8	Nov. 17	33.0
				Aug. 26	52.0		
				Sept. 22	53.3		

Station No. 02FF107

Location: At the bridge on Concession 4-5, Township of Usborne,
about 0.5 mile north of Hwy. 83, and approximately 3
miles northeast of the Town of Exeter

Gauge: On-stream recorder

Drainage Area: 29.7 square miles

Period of Record: June to November 1975

Remarks: Temporary on-stream recorder and weir installed
June 27 to November 24, 1975

Daily Discharge in Cubic Feet Per Second

1975								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			2.6	1.1	-	7.4	3.1	1
2			2.3	1.0	-	6.6	5.9	2
3			2.3	-	-	6.0	-	3
4			2.1	-	-	5.5	-	4
5			1.9	3.9	8.8	5.2	-	5
6			1.8	2.5	7.9	4.9	-	6
7			1.7	1.8	6.9	4.5	-	7
8			-	1.5	5.8	4.1	-	8
9			7.3	1.3	5.1	3.9	11.9	9
10			4.0	1.2	4.5	4.0	-	10
11			3.4	1.5	4.1	3.8	-	11
12			2.8	1.4	7.9	3.6	-	12
13			2.3	1.8	-	3.5	-	13
14			-	0.8	-	3.4	-	14
15			-	6.6	-	3.3	12.1	15
16			3.0	3.7	-	3.0	11.0	16
17			2.3	2.5	9.5	2.9	9.7	17
18			2.0	2.0	8.7	2.6	8.9	18
19			-	1.6	-	2.7	8.4	19
20			-	1.5	-	3.2	8.5	20
21			-	1.7	-	3.7	9.4	21
22			6.2	2.8	-	3.3	9.4	22
23			4.2	2.9	-	2.7	8.9	23
24			3.4	-	-	2.3	8.5	24
25			2.8	-	-	2.6	-	25
26		-	2.3	-	11.7	3.0		26
27		4.6	2.0	-	10.4	2.7		27
28		4.1	1.9	-	9.1	2.5		28
29		3.5	1.6	-	7.8	2.5		29
30		3.0	1.5	-	7.6	2.4		30
31			1.2	-		2.2		31

AUSABLE RIVER TRIBUTARY NEAR EXETER

Station No. 02FF108

Location: At the bridge on Concession 4-5, Township of Usborne,
about 1.5 miles north of Hwy. 83, and approximately
4 miles northeast of the Town of Exeter

Gauge: On-stream recorder

Drainage Area: 1.1 square miles

Period of Record: June to October 1975

Remarks: Temporary on-stream recorder and weir installed
June 7 to October 27, 1975

Daily Discharge in Cubic Feet Per Second

1975								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			0.4	0.1	1.6	0.8		1
2			0.4	0.1	2.1	0.7		2
3			0.4	0.3	1.5	0.6		3
4			0.3	0.5	1.2	0.6		4
5			0.3	0.3	0.9	0.5		5
6		-	0.2	0.3	0.7	0.5		6
7		3.4	0.2	0.2	0.6	0.5		7
8		2.0	0.7	0.1	0.5	0.4		8
9		1.5	0.5	0.1	0.4	0.4		9
10		1.2	0.3	0.1	0.4	0.4		10
11		1.1	0.4	0.1	0.4	0.4		11
12		1.4	0.4	0.1	1.3	0.4		12
13		2.1	0.3	0.2	2.3	0.3		13
14		1.7	0.3	0.2	2.5	0.3		14
15		1.5	0.3	0.2	1.8	0.3		15
16		3.1	0.2	0.2	1.4	0.3		16
17		2.6	0.2	0.1	1.2	0.3		17
18		-	0.2	0.1	1.0	0.3		18
19		-	0.3	0.1	2.7	0.3		19
20		-	1.3	0.1	3.1	0.3		20
21		3.0	0.7	0.2	2.7	0.2		21
22		2.2	0.4	0.1	3.3	0.2		22
23		1.7	0.3	0.1	3.1	0.2		23
24		1.4	0.2	0.6	2.3	0.2		24
25		1.2	0.2	-	1.8	0.2		25
26		0.9	0.2	-	1.5	0.2		26
27		0.8	0.1	2.3	1.3	0.2		27
28		0.7	0.1	1.2	1.1			28
29		0.6	0.1	0.9	0.9			29
30		0.5	0.1	1.3	0.8			30
31			0.1	1.7				31

BAXTER CREEK AT HIGHWAY 28

Station No. 02HJ102

Location: At the bridge on Highway 28, about 1 mile south
of the Hamlet of Frasersville

<u>Gauge:</u>	Measuring Point
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Drainage Area: 28.9 miles

Period of Record: April 1971 to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 10	18.0	Oct. 24	51.1
				July 17	16.8	Nov. 11	16.0
				Sept. 10	13.1		

BEAR CREEK NEAR WARWICK

Station No. 02GG103

Location: At the conservation area downstream of the Community of Warwick

Gauge: None

Drainage Area: 34 square miles

Period of Record: May to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 27	4.0	July 7	1.8	Oct. 9	6.5
		June 2	5.1	July 17	1.7	Nov. 6	8.1
		June 26	8.0	July 31	0.9	Nov. 20	6.7
				Sept.25	9.1		

17

Location: At the bridge on Side Road 5, Township of Bentinck,
about 2 miles southeast of the Town of Hanover

Drainage Area: 93 square miles

Period of Record: May 1968 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 4	55.8	July 9	26.1	Oct. 1	53.7
		June 18	68.3	Aug. 7	29.3	Oct. 15	66.7
				Sept. 17	63.1	Oct. 29	42.3
						Nov. 25	62.5

BIG CREEK NEAR STRANGFIELD

Station No. 02GE107

Location: At the concrete culvert, Concession 10, Township of Tilbury West, about 0.25 mile west of the Settlement of Strangfield

Gauge: Staff

Drainage Area: 20.0 square miles

Period of Record: March to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 18	43.2	Apr. 23	3.3			Dec. 6	13.7
		Apr. 30	2.2				
		May 7	2.3				
		May 14	0.7				
		June 21	3.7				

19

Location: At the bridge on Enniskillen Twp. Road 12, about 1.1 miles west of the Village of Oil Springs

Drainage Area: 32 square miles

Period of Record: June to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 2	0.7	July 7	0.1	Nov. 6	4.2
				July 31	N.F.	Nov. 20	7.1
				Aug. 14	0.7		

BLYTH BROOK NEAR BLYTH

Station No. 02FE105

Location: At the bridge on Side Road 39-40, Township of East Wawanosh, about 1.5 miles northwest of the Village of Blyth

Gauge: On-stream recorder

Drainage Area: 19.5 square miles

Period of Record: July to October 1975

Remarks: Temporary on-stream recorder and weir installed July 10 to October 31, 1975

Daily Discharge in Cubic Feet Per Second

1975								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1				2.4		12.6		1
2				2.3		12.6		2
3				3.4		12.0		3
4				6.3		11.8		4
5				4.0		11.2		5
6				3.0	-	10.9		6
7				2.6	-	10.1		7
8				2.3	-	9.6		8
9				2.1	11.2	9.0		9
10			9.2	2.1	10.6	8.8		10
11			8.6	8.3		8.8		11
12			6.4	7.2		8.8		12
13			4.8	4.9		9.0		13
14			4.3	5.1		9.8		14
15			4.8	3.6		9.6		15
16			3.7	2.8		8.3		16
17			3.1	2.4		7.7		17
18			2.9	2.3		7.5		18
19			7.4	2.1		7.5		19
20			-	-		8.5		20
21			-			-		21
22			9.7			9.0		22
23			7.1			8.3		23
24			6.4			7.5		24
25			6.1			9.0		25
26			4.6		-	11.5		26
27			4.1		-	10.4		27
28			5.0		-	9.3		28
29			3.8		12.3	8.5		29
30			3.2		12.3	7.7		30
31			2.8			7.0		31

Station No. 02FB103

Location: At the bridge on Hwy. 10 in the Village of Flesherton

Gauge: On-stream recorder

Drainage Area: 9.9 square miles

Period of Record: June to November 1975

Remarks: Temporary on-stream recorder and weir installed
June 24 to November 26, 1975

Daily Discharge in Cubic Feet per Second

1975								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			4.8	3.7	-	5.5	5.1	1
2			4.5	4.1	-	5.1	5.2	2
3			4.5	3.3	-	4.7	5.3	3
4			4.2	3.4	-	4.6	5.3	4
5			4.1	4.1	-	4.6	4.9	5
6			4.0	2.8	-	4.2	5.2	6
7			-	2.7	-	3.8	5.1	7
8			5.3	2.7	-	3.8	5.1	8
9			4.7	2.8	-	4.0	4.9	9
10			5.1	3.0	5.0	4.0	6.0	10
11			5.2	5.3	5.7	4.2	7.4	11
12			4.8	-	7.3	3.9	5.6	12
13			4.9	5.1	7.0	4.7	5.1	13
14			5.2	4.8	6.5	4.7	5.6	14
15			4.7	4.5	5.6	4.2	5.8	15
16			4.5	4.0	5.2	4.3	6.0	16
17			4.3	3.6	4.7	4.2	5.7	17
18			4.0	3.3	5.1	4.0	5.5	18
19			-	3.1	6.8	4.2	5.3	19
20			7.3	3.0	7.3	5.3	5.1	20
21			6.0	3.3	7.0	5.3	6.0	21
22			5.6	3.3	7.0	4.4	-	22
23			5.6	3.3	6.4	4.1	-	23
24		6.5	5.9	5.1	5.9	4.3	-	24
25		6.2	5.3	5.7	5.7	4.2	5.7	25
26		5.9	5.0	5.8	6.0	4.6	5.3	26
27		6.0	5.5	5.1	6.0	4.2	-	27
28		5.8	5.1	4.4	6.9	4.1	-	28
29		5.7	5.0	-	5.6	4.0	-	29
30		5.1	4.3	-	5.0	3.9	-	30
31			4.1	-		4.0	-	31

BRASSILS CREEK NEAR BURRITTS RAPIDS

Station No. 02LA110

Location: At the bridge on Carleton County Road 2, about 0.5 mile west of the Village of Burritts Rapids

Gauge: Staff

Drainage Area: 20.0 square miles

Period of Record: June 1974 to August 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 21	175	Apr. 8	64.4	July 17	N.F.		
		Apr. 15	100	Aug. 19	N.F.		
		Apr. 21	432				
		Apr. 23	181				
		Apr. 24	223				
		Apr. 29	79.1				
		May 7	202				
		May 15	12.1				
		May 28	2.7				
		June 11	3.5				

BROWN CREEK NEAR WATFORD

23

Station No. 02GA105

Location: At the bridge on the Warwick-Brooke Township Line,
about 1 mile southeast of the Village of Watford

Gauge: None

Drainage Area: 6.4 square miles

Period of Record: June to November 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 2	0.4	July 7	N.F.	Nov. 6	1.6
		June 26	0.9	July 17	N.F.	Nov. 20	1.2
				July 31	N.F.		
				Aug. 14	1.0		

CAMP CREEK NEAR ALLAN PARK

25

Station No. 02FC102

Location: At the bridge on Side Road 40-41, Township of
Bentinck about 0.5 mile south of the Community
of Allan Park

Gauge: Staff

Drainage Area: 42.5 square miles

Period of Record: March to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 27	67.9	Apr. 16	82.4	July 1	25.0		
		May 6	116	July 31	22.0		
		May 15	54.7				
		May 20	45.4				
		May 22	44.5				
		May 26	48.7				
		May 28	41.4				
		June 11	32.0				

CATFISH CREEK NEAR ORWELL

Station No. 02GC110

Location: At the bridge on Hwy. 3, about 0.5 mile east of the
Community of Orwell

Gauge: None

Drainage Area: 52 square miles

Period of Record: May to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 28	9.3	July 18	9.3	Oct. 8	16.8
				July 31	3.5	Nov. 19	21.7
				Aug. 14	12.7		
				Sept. 24	44.4		

CEDAR CREEK ABOVE HWY. 401

27

Station No. 02GA111

Location: At the south side of Hwy. 401, upstream of the
eastbound lane, about 0.5 mile east of the
Roseville Road overpass

Gauge: Staff

Drainage Area: 4.1 square miles

Period of Record: March to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 3	13.3	May 2	0.7				
		May 7	1.9				
		May 16	0.4				
		May 27	0.4				
		June 4	0.4				
		June 18	0.7				

Station No. 02GA112

Location: At the north side of Hwy. 401 adjacent to the westbound lane, about 0.5 mile west of the Roseville Road overpass

Gauge: Staff

Drainage Area: 4.6 square miles

Period of Record: March to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 20	16.5	May 2	1.4	Sept. 8	0.5	Oct. 10	0.5
		May 7	3.0				
		May 16	1.1				
		May 27	1.4				
		June 4	1.2				

Station No. 02HH108

Location: Downstream of the township road, Lot 20, Concession 4,
Township of Emily, about 1 mile west of the Community
of Fowlers Corners

Gauge: On-stream recorder

Drainage Area: 5.2 square miles

Period of Record: April 1971 to August 1972, May to September 1975

Remarks: Temporary on-stream recorder installed
May 23 to September 15, 1975

Daily Discharge in Cubic Feet Per Second

1975								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		4.0	0.33	0.17	5.2			1
2		3.6	0.45	0.10	4.6			2
3		2.9	0.56	0.16	3.6			3
4		2.2	0.44	0.22	3.3			4
5		2.1	0.45	0.13	3.0			5
6		4.1	0.55	0.10	3.0			6
7		3.8	1.0	0.10	2.9			7
8		3.3	1.6	0.10	2.7			8
9		2.9	1.4	0.10	2.3			9
10		2.3	1.0	0.10	1.8			10
11		2.0	1.1	0	1.6			11
12		2.4	1.2	0	2.7			12
13		2.7	1.1	0	2.9			13
14		2.3	0.94	0	3.0			14
15		2.1	0.78	0	2.3			15
16		3.6	0.42	0				16
17		3.8	0.10	0				17
18		3.0	0.10	0				18
19		2.8	0.10	0				19
20		3.1	2.9	0				20
21	-	2.3	14.0	0				21
22	-	1.7	15.4	0				22
23	2.3	1.6	5.7	0				23
24	2.2	1.2	2.8	0.43				24
25	1.8	0.93	1.8	0.71				25
26	2.2	0.74	1.3	1.8				26
27	3.6	0.60	0.90	2.1				27
28	4.3	0.54	1.3	2.0				28
29	2.8	0.46	1.2	2.3				29
30	2.4	0.28	0.96	5.0				30
31	3.1		0.55	6.0				31

CLEAR CREEK AT CLEAR CREEK

Station No. 02GC103

Location: At the concrete culvert on Norfolk County Road 9,
in the Hamlet of Clear Creek

Gauge: On-stream Recorder

Drainage Area: 27.4 square miles

Period of Record: April 1967 to December 1975

Remarks: Records good. Temporary on-stream recorder installed
May 1 to August 21, 1975

Daily Discharge in Cubic Feet Per Second

1975								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1	25.5	20.3	10.2	5.9				1
2	24.8	16.3	9.8	5.9				2
3	23.7	14.9	11.1	6.4				3
4	26.1	14.4	13.2	7.7				4
5	26.2	49.3	10.9	7.3				5
6	32.4	54.3	10.0	8.8				6
7	34.9	39.5	9.5	9.0				7
8	29.5	29.4	9.0	7.5				8
9	25.8	24.5	8.7	7.5				9
10	23.5	20.9	9.5	7.6				10
11	22.2	20.9	11.3	7.7				11
12	21.6	33.3	11.2	7.6				12
13	21.4	30.7	10.8	9.2				13
14	20.3	25.2	19.6	10.6				14
15	19.6	21.7	15.4	8.5				15
16	19.3	23.3	11.9	8.5				16
17	18.8	20.9	10.8	8.6				17
18	18.2	18.1	10.4	7.9				18
19	17.6	17.3	10.9	7.9				19
20	16.9	16.6	12.7	7.8				20
21	19.8	15.2	11.0	8.0				21
22	18.7	14.1	9.6					22
23	16.3	13.5	8.7					23
24	14.2	13.4	7.9					24
25	13.9	14.3	6.9					25
26	13.8	12.8	6.5					26
27	13.5	11.9	6.5					27
28	13.3	11.7	6.5					28
29	13.0	11.6	6.5					29
30	12.8	11.2	6.0					30
31	21.3		6.2					31

Station No. 02HD103

Location: At the bridge adjacent to the WPCP in the Town of Cobourg

Gauge: Wire Weight

Drainage Area: 48.7 square miles

Period of Record: July 1966 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 26	48.8	Apr. 15	78.4	July 10	31.5	Oct. 10	36.8
		May 13	42.2	July 16	28.5		
		June 5	35.3	Aug. 20	23.6		
		June 24	50.1	Sept. 9	24.0		

COCKBURN CREEK NEAR SMITHS FALLS

Station No. 02LA111

Location: At the bridge on Hwy. 43, about 1.5 miles west
of the Town of Smiths Falls

Gauge: Staff

Drainage Area: 20.5 square miles

Period of Record: June 1974 to September 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 2	184	July 16	N.F.		
		Apr. 7	129	July 24	N.F.		
		Apr. 16	177	Aug. 19	N.F.		
		Apr. 19	334				
		Apr. 23	462				
		Apr. 25	375				
		Apr. 30	197				
		May 14	27.4				
		May 28	4.1				

EIGHT MILE CREEK NEAR ST. CATHARINES

35

Station No. 02HA101

Location: At the bridge on Lakeshore Road, about 1.5 miles east of the City of St. Catharines

Gauge: Staff

Drainage Area: 3.9 square miles

Period of Record: August 1966 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 8	1.1	July 9	0.1	Oct. 21	0.5
		May 30	1.1	July 23	0.4	Nov. 25	0.1
		June 3	0.8	Aug. 5	0.5		
		June 13	0.8	Aug. 20	N.F.		
		June 24	0.5	Sept. 16	0.8		

FAIRCHILD CREEK NEAR ST. GEORGE

Station No. 02GB101

Location: Approximately 1000 feet upstream of Brant County
 Suburban Road 33, about 1 mile south of the Police
 Village of St. George

Gauge: Staff

Drainage Area: 31.5 square miles

Period of Record: July to August 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 4	3.4		
				July 11	4.4		
				July 18	2.8		
				July 24	3.7		
				July 31	2.8		
				Aug. 28	12.5		

Location: At the bridge on the Queen Elizabeth Way, above
the WPCP in the Town of Grimsby

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 30	0.1	July 9	0.1		
		June 3	0.3	July 23	0.5		
		June 13	12.5	Aug. 7	N.F.		
		June 24	0.3	Aug. 20	0.1		

FOUR MILE CREEK NEAR NIAGARA-ON-THE-LAKE

Station No. 02HA103

Location: Beside Lincoln County Road 2, about 1 mile south of the intersection with Lakeshore Road

Gauge: Staff

Drainage Area: 16.9 square miles

Period of Record: August 1966 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 30	1.2	July 9	1.0	Oct. 21	10.2
		June 3	0.8	July 23	1.3	Nov. 25	0.6
		June 13	2.8	Aug. 5	0.8		
		June 24	0.5	Aug. 20	0.7		
				Sept. 16	0.9		

FOX CREEK NEAR OIL CITY

39

Station No. 02GG102

Location: At the bridge on Side Road 12, Township of
Enniskillen, about 1 mile southwest of the
Community of Oil City

Gauge: None

Drainage Area: 20.7 square miles

Period of Record: June to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 2	2.2	July 7	N.F.	Oct. 9	3.6
		June 26	3.8	July 17	1.1	Nov. 6	3.7
				July 31	N.F.		
				Aug. 14	0.2		

GAGE CREEK AT PORT HOPE

Station No. 02HD104

Location: At the bridge on Hwy. 2 about 1 mile east of the
Town of Port Hope

Gauge: Staff

Drainage Area: 16.7 square miles

Period of Record: August 1966 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 15	27.4	July 10	4.4	Oct. 29	4.0
				July 15	4.3		
				Aug. 19	N.F.		
				Sept. 9	2.2		

GRAHAM CREEK AT NEWCASTLE

41

Station No. 02HD105

Location: At the concrete bridge on Mill Street, about 0.5 mile south of Hwy. 401 in the Village of Newcastle

Gauge: Staff

Drainage Area: 33.3 square miles

Period of Record: November 1965 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 26	63.8	Apr. 15	75.8	July 10	6.5	Oct. 28	7.4
				July 16	6.0		
				Aug. 18	3.9		
				Aug. 26	5.2		
				Sept. 12	26.3		

GRAHAM CREEK AT OTTAWA

Station No. 02LA113

Location: At the intersection of the Queensway and Richmond Road, in the City of Ottawa

Gauge: Staff

Drainage Area: 7.8 square miles

Period of Record: June 1974 to September 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 21	48.3	Apr. 9	16.1	July 23	2.6		
		Apr. 16	50.1	Aug. 20	2.1		
		Apr. 18	77.3				
		Apr. 26	28.7				
		May 27	10.7				
		June 10	8.4				

GREER CREEK NEAR PERTH

43

Station No. 02LA112

Location: At the township road culvert, Lot 12, Concession 1,
Township of Bathurst about 6 miles west of the Town
of Perth

Gauge: Staff

Drainage Area: 10.3 square miles

Period of Record: July 1974 to August 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 2	31.3				
		Apr. 16	41.0				
		Apr. 22	83.6				
		Apr. 25	39.9				
		Apr. 30	14.3				
		June 10	9.3				

HAGGERTY CREEK AT NEWBURY STATION

Station No. 02GG100

Location: At the bridge on Middlesex County Road 1 at Newbury Station about 1.5 miles northwest of the Village of Newbury

Gauge: None

Drainage Area: 3.3 square miles

Period of Record: June to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 17	4.5	July 6	0.2	Oct. 9	2.0
		June 26	1.3	July 17	0.1	Nov. 6	2.3
				July 31	N.F.	Nov. 20	1.4
				Aug. 14	0.2		
				Sept.11	2.3		

HILLMAN CREEK NEAR LEAMINGTON

45

Station No. 02GA104

Location: At the bridge on Side Road 15, Township of Mersea,
about 2 miles east of the Town of Leamington

Gauge: Staff

Drainage Area: 12.0 square miles

Period of Record: March to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 18	20.0	Apr. 23	2.9	Sept. 17	3.6	Dec. 10	6.7
		Apr. 30	2.1				
		May 7	2.6				
		June 12	2.1				
		June 24	3.0				

HUNSBURGER CREEK NEAR WILMOT CENTRE

Station No. 02GA101

Location: On the west side of Twp., Road 16, about 0.2 miles south of the intersection with Bleams Road, 1 mile west of the settlement of Wilmot Centre

Gauge: Parshall Flume

Drainage Area: 1.0 square miles

Period of Record: April 1972 to December 1975

Remarks: Records good. Temporary on-stream recorder and Parshall Flume installed May 1 to November 30, 1975

Daily Discharge in Cubic Feet Per Second

1975								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1	0.97	1.4	1.1	1.2	1.4	1.1	1.3	1
2	1.1	1.4	1.0	1.1	1.1	1.1	1.4	2
3	1.1	1.4	1.1	2.1	1.1	1.1	1.4	3
4	1.3	1.4	0.99	1.3	1.1	1.0	1.2	4
5	1.2	1.6	1.0	1.2	1.1	1.0	1.2	5
6	2.0	1.4	1.0	1.1	1.0	1.0	1.2	6
7	1.5	1.4	1.2	1.1	1.0	1.0	1.2	7
8	1.4	1.4	1.2	1.0	1.0	1.1	1.1	8
9	1.4	1.4	1.2	1.0	1.0	1.1	1.1	9
10	1.3	1.4	1.2	1.1	1.0	1.1	1.5	10
11	1.3	1.4	1.2	1.2	1.3	1.1	1.1	11
12	1.4	1.5	1.2	1.2	1.1	1.0	1.1	12
13	1.4	1.4	1.2	1.2	1.1	1.1	1.1	13
14	1.3	1.3	1.5	1.2E	1.0	1.1	1.1	14
15	1.4	1.5	1.3	1.2E	1.0	1.1	1.1	15
16	1.3	1.4	1.3	1.2E	1.0	1.1	0.98	16
17	1.3	1.4	1.3	1.2E	1.1	1.4	0.98	17
18	1.3	1.5	1.3	1.2E	1.3	1.4	0.97	18
19	1.3	2.4	1.7	1.2	1.2	1.4	0.97	19
20	1.3	1.4	1.4	1.2	1.2	1.4	0.99	20
21	1.4	1.3	1.4	1.3	1.1	1.1	1.0	21
22	1.4	1.3	1.4	1.3	1.1	1.1	0.96	22
23	1.4	1.3	1.4	1.5	1.1	1.1	0.94	23
24	1.4	1.4	1.5	3.4	1.1	1.1	0.96	24
25	1.3	1.3	1.4	1.1	1.1	1.1	1.2	25
26	1.3	1.3	1.3	1.2	1.1	1.1	1.2	26
27	1.3	1.4	1.3	1.2	1.0	1.1	1.3	27
28	1.3	1.3	1.3	1.2	1.0	1.1	1.3	28
29	1.3	1.3	1.3	1.4	1.0	1.1	1.3	29
30	1.3	1.2	1.2	1.2	1.1	1.0	1.5	30
31	1.4		1.2	1.2		1.0		31

Station No. 02CF106

Location: At the bridge on Kelly Lake Road West, about 3 miles southwest of the Town of Copper Cliff

Gauge:	Measuring Point
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
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Drainage Area: 69.1 square miles

Period of Record: May 1969 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 17	757	July 16	39.5		
		Apr. 19	1300				
		Apr. 29	337				
		May 22	138				
		June 6	87.4				

KETTLE CREEK NEAR PORT STANLEY

Station No. 02GC111

Location: At the road bridge 1.5 miles north of the Village of Port Stanley

Gauge: None

Drainage Area: 151 square miles

Period of Record: July to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 4	22.3	Oct. 8	41.6
				July 7	20.0	Nov. 19	46.3
				July 18	16.0		
				July 31	20.3		

Location: 50 feet upstream of the culvert under Hwy. 567,
11 miles north of the Town of Haileybury

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Jan. 28	13.2	Apr. 23	205	Aug. 14	4.2		
		May 8	58.7	Sept. 3	1.0		
		May 15	31.8				
		June 26	5.0				

LITTLE AUSABLE RIVER NEAR CENTRALIA

Station No. 02FE102

Location: At the bridge on Concession 5, Township of Usborne,
about 3 miles east of the Village of Centralia

Gauge: Staff

Drainage Area: 26.6 square miles

Period of Record: March to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 17	57.8	Apr. 22	64.0	July 7	1.5	Nov. 7	11.1
		Apr. 25	34.2	July 11	5.1		
		May 1	15.4	Sept. 3	8.6		
		May 8	23.7				
		May 12	12.8				
		May 31	9.6				
		June 18	30.0				

51

Location: At the bridge on Side Road 10-11, Township of Bruce about 2 miles southeast of the Community of North Bruce

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 21	N.F.	Sept.17	1.6	Nov. 24	8.9
				Sept.23	24.3	Nov. 28	21.8

LUCKNOW RIVER NEAR LUCKNOW

Station No. 02FD102

Location: At the bridge on Huron County Road 27, about 1.5 miles below the Hamlet of Lucknow

Gauge:	Measuring Point
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Drainage Area: 48.7 square miles

Period of Record: January 1969 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 26	23.6	July 17	11.5	Oct. 7	38.7
				July 30	16.6	Oct. 21	42.7
				Sept. 23	117	Nov. 19	51.5

LYNN RIVER AT PORT DOVER

53

Station No. 02GC102

Location: At the old dam site upstream of Silver Lake in
the Town of Port Dover

Gauge: Staff

Drainage Area: 56.5 square miles

Period of Record: April 1965 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 30	71.8	July 8	36.1	Oct. 29	37.9
		May 7	78.5	July 21	44.3		
		May 29	48.5	Aug. 6	54.0		
		June 2	66.3	Aug. 18	36.9		
		June 9	66.2				
		June 25	51.4				

MADOC CREEK AT MADOC

Station No. 02HL106

Location: At the bridge on Hwy. 62, about 0.1 miles north of
Hwy. 7 in the Village of Madoc

Gauge: Wire weight

Drainage Area: 25.4 square miles

Period of Record: April 1971 to December 1975

Remarks: Records good. Daily gauge reader May 1 to
December 31, 1975

Daily Discharge in Cubic Feet Per Second

1975								
Day	May	June	July	Sept.	Oct.	Nov.	Dec.	Day
1	34.6	11.4	-	-	4.5	10.8	13.8	1
2	37.6	12.1	-	-	4.2	11.8	14.2	2
3	33.1	12.7	-	-	4.6	10.8	14.4	3
4	30.2	11.4	0.7	-	4.8	10.6	14.4	4
5	53.9	10.3	0.8	-	5.0	10.4	14.2	5
6	70.5	12.7	0.8	-	5.4	10.2	14.1	6
7	45.4	12.7	1.3	-	5.5	10.2	14.2	7
8	34.6	13.4	2.3	-	5.5	10.0	17.5	8
9	34.6	13.4	2.3	-	5.9	9.9	21.1	9
10	34.6	13.4	2.9	-	6.2	9.9	20.6	10
11	18.5	12.1	2.9	-	6.3	9.9	20.3	11
12	18.5	12.1	3.0	2.1	6.5	10.3	21.4	12
13	17.5	12.1	3.0	1.7	6.6	11.7	22.9	13
14	14.8	12.7	3.3	1.3	7.7	12.6	23.3	14
15	10.7	14.8	2.9	1.1	8.6	12.6	22.2	15
16	12.7	16.8	2.9	1.1	8.4	12.0	22.4	16
17	10.7	11.4	2.9	0.9	8.5	11.9	23.3	17
18	9.8	10.3	2.3	0.9	8.4	12.1	23.0	18
19	7.2	8.9	2.3	3.3	8.3	12.1	22.4	19
20	6.3	7.2	2.6	3.3	8.3	12.3	22.9	20
21	8.5	6.7	2.7	2.7	8.2	13.8	21.4	21
22	7.2	6.3	3.0	2.7	8.3	14.0	20.9	22
23	14.1	5.7	2.6	2.0	8.3	13.5	20.3	23
24	12.7	6.7	2.1	1.7	8.6	14.1	20.0	24
25	12.1	4.3	3.0	1.5	8.9	14.2	19.9	25
26	10.7	-	4.7	1.4	9.0	13.6	19.5	26
27	12.1	1.8	4.0	1.4	9.0	13.2	19.1	27
28	10.3	1.3	4.0	1.3	9.1	13.4	18.7	28
29	8.9	0.6	5.7	1.3	9.7	13.3	18.2	29
30	9.8	-	-	1.3	9.7	13.4	18.0	30
31	10.7	-	-	-	10.2	-	17.8	31

MAITLAND RIVER TRIBUTARY NEAR FORDWICH

55

Station No. 02FE102

Location: At the bridge on Huron County Road 30, 1.5 miles north of the Village of Fordwich

Gauge: Staff

Drainage Area: 21.8 square miles

Period of Record: April to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 17	85.9	July 29	9.2	Dec. 16	86.9
		May 5	50.9	Aug. 11	39.7		
		May 14	28.3	Aug. 25	89.2		
		May 21	20.2				
		May 27	47.8				
		May 29	21.2				
		June 10	14.9				
		June 16	19.4				

MARTINEAU CREEK AT HWY. 567

Station No. 02JE104

Location: 20 feet upstream of the culvert under Hwy. 567,
96 miles north of the Town of Haileybury

Gauge: Measuring Point

Drainage Area: 6.8 square miles

Period of Record: June 1974 to September 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Jan. 28	0.4	Apr. 23	32.7	Aug. 14	N.F.		
		May 2	31.1				
		May 8	6.8				
		May 15	3.0				
		June 24	1.1				

Station No. 02HK109

Location: At the bridge on Side Road 14-15, Township of Murray,
about 2.5 miles west of the Town of Trenton

Gauge: On-stream recording

Drainage Area: 4.7 square miles

Period of Record: July 1973 to September 1975

Remarks: Records good. Temporary on-stream recorder installed
June 27 to August 31, 1975

Daily Discharge in Cubic Feet Per Second

1975								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			1.4	1.4				1
2			1.4	1.2				2
3			4.0	0.96				3
4			2.1	2.5				4
5			1.0	2.0				5
6			1.1	1.1				6
7			2.5	1.5				7
8			1.9	1.0				8
9			1.5	0.64				9
10			1.2	0.60				10
11			2.3	1.0				11
12			2.2	3.1				12
13			1.1	1.4				13
14			1.4	0.86				14
15			2.1	0.94				15
16			1.4	1.6				16
17			1.1	1.3				17
18			2.4	2.3				18
19			1.6	1.3				19
20			2.5	1.1				20
21			3.6	1.1				21
22			2.9	0.89				22
23			1.9	1.5				23
24			1.3	1.4				24
25			0.93	1.3				25
26		-	1.8	1.8				26
27		1.7	2.2	2.8				27
28		1.6	6.8	1.4				28
29		1.6	2.2	1.3				29
30		2.3	1.5	3.5				30
31		-	1.3	1.8				31

Station No. 02FE103

Location: At the bridge on Huron County Road 12, in the Village of Brussels

Gauge: None

Drainage Area: 220 square miles

Period of Record: June to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 26	36.1	July 12	26.6	Oct. 7	58.8
				July 30	8.5	Oct. 21	69.3
						Nov. 18	97.2

MIDDLE THAMES TRIBUTARY NEAR EMBRO

Station No. 02GD106

Location: At the bridge on Side Road 10-11, Township of East Nissouri, about 3.5 miles southwest of the Village of Embro

Gauge: Staff

Drainage Area: 12.5 square miles

Period of Record: March 1974 to December 1975

Remarks: See the following page for previously unpublished 1974 data.

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 17	13.0	Apr. 22	21.1	July 11	0.9	Dec. 8	11.6
		Apr. 25	20.7	Sept. 19	6.9		
		May 8	9.9				
		June 16	7.3				
		June 18	17.5				

MIDDLE THAMES TRIBUTARY NEAR EMBRO

Station No. 02GD106

1974							
Jan. to March		April to May		June to July		Aug. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 14	19.1	Apr. 3	45.7	June 5	2.2	Aug. 15	0.1
Mar. 21	13.5	Apr. 9	18.9	June 12	0.9	Aug. 29	0.1
		Apr. 17	12.9	June 20	21.8	Sept. 11	0.1
		Apr. 23	21.9	June 26	4.2		
		Apr. 30	11.6	July 2	5.6		
		May 7	6.9	July 9	0.5		
		May 14	29.5	July 18	0.6		
		May 22	11.2	July 24	0.4		
		May 29	6.9				

MOOSE CREEK NEAR BELLE VALLEE

61

Station No. 02JC102

Location: 20 feet downstream of bridge on Casey Township
Concession Road near the Hamlet of Belle Vallee

Gauge: Measuring point

Drainage Area: 25.0 square miles

Period of Record: June 1974 to September 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 22	136	Aug. 12	N.F.		
		May 2	48.3				
		May 6	25.1				
		May 14	2.4				
		May 27	3.4				
		June 24	0.5				

MOSQUITO CREEK NEAR JOHNSTON CORNERS

Station No. 02LA107

Location: At the township road bridge at Lot 19, Concession 1, Township of Gloucester, about 3 miles northwest of the Settlement of Johnston Corners.

Gauge: Staff

Drainage Area: 12.1 square miles

Period of Record: June 1974 to September 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 21	82.1	Apr. 18	70.7	July 23	N.F.		
		Apr. 21	40.9	Aug. 19	N.F.		
		Apr. 24	27.4				
		Apr. 29	7.4				
		May 27	3.4				
		June 11	1.5				

MUD CREEK NEAR MANOTICK

63

Station No. 02LA108

Location: At the bridge on Carleton Country Road 8, about
1 mile west of the Police Village of Manotick

Gauge: Staff

Drainage Area: 20.8 square miles

Period of Record: June 1974 to November 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 21	132	Apr. 8	28.0	July 23	6.1	Oct. 14	8.5
		Apr. 21	85.3	Aug. 19	7.6		
		Apr. 24	46.0				
		Apr. 29	18.7				
		May 29	8.5				
		June 11	4.0				

NORTH BRANCH CREEK AT EMBRO

Station No. 02GD107

Location: At the bridge on Oxford County Road 6, about 0.1 mile north of the Canadian Pacific Railway bridge, in the Village of Embro

Gauge:	Measuring point
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Drainage Area: 30 square miles

Period of Record: July to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 18	5.5	Oct. 8	5.6
				July 31	5.1	Nov. 19	7.8
				Aug. 14	9.1		
				Aug. 25	16.1		
				Sept. 24	8.4		

Station No. 02HA104

Location: At the bridge on Patterson Road, Township of West Lincoln, about 1.5 miles southeast of the Community of Smithville

Gauge: Staff

Drainage Area: 12.6 square miles

Period of Record: March to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 17	43.9	Apr. 14	3.2			Oct. 20	82.4
Mar. 20	20.9	May 8	12.8			Dec. 29	0.8
		May 13	0.6				

NORTH SAUGEEN RIVER NEAR CHESLEY

Station No. 02FC106

Location: At the bridge on Concession 2-3, Township of Elderslie, about 1 mile west of the Town of Chesley

Gauge: None

Drainage Area: 87 square miles

Period of Record: July to November 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 10	76.6	Oct. 1	79.1
				July 23	150	Oct. 15	99.0
				Aug. 6	89.4	Oct. 29	107
				Aug. 20	61.8	Nov. 26	91.1
				Sept.16	85.7		

OTTER CREEK AT MILDMAV

67

Station No. 02FC108

Location: At the Otter Creek Conservation Area in the Village of Mildmay

Gauge: None

Drainage Area: 14.8 square miles

Period of Record: June to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 5	17.1	July 9	8.3	Oct. 2	11.7
				Aug. 7	5.8	Oct. 16	14.6
				Sept. 3	14.3	Oct. 30	10.7
				Sept.17	10.9	Nov. 25	12.0

Station No. 02HD108

Location: At the old steel bridge below Victoria Street East,
in the Township of Whitby

Gauge: Staff

Drainage Area: 8.3 square miles

Period of Record: July 1966 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 15	22.4	July 10	8.7	Oct. 28	4.8
		June 6	10.2	July 16	8.4		
				Aug. 8	6.3		
				Aug. 19	5.3		
				Sept. 12	13.5		

REDHILL CREEK AT HAMILTON

69

Station No. 02HB107

Location: At the bridge on Barton Street in the City of
Hamilton

Gauge: Staff

Drainage Area: 20.4 square miles

Period of Record: May 1968 to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 16	4.1	July 9	1.7		
		May 30	2.4	July 23	2.2		
		June 13	5.5	Aug. 7	2.9		
		June 24	2.9	Aug. 20	1.3		

ROCKY SAUGEEN RIVER BELOW MARKDALE

Station No. 02FC100

Location: At the culvert on Side Road 100, Township of Glenelg, about 0.3 mile southwest of the Village of Markdale.

Gauge: Staff

Drainage Area: 35.6 square miles

Period of Record: July 1967 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 17	59.6	July 11	58.5	Oct. 14	38.0
				July 22	47.9	Oct. 28	34.5
				Aug. 5	38.3		
				Aug. 19	31.1		
				Sept. 4	39.3		
				Sept. 15	39.8		
				Sept. 30	36.5		

SALEM CREEK NEAR COLBORNE

71

Station No. 02HK101

Location: About 200 feet upstream from the bridge on Blyth Road, approximately 1.5 miles southeast of the Village of Colborne

Gauge: Staff

Drainage Area: 3.5 square miles

Period of Record: November 1965 to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 5	7.2	July 7	7.0	Oct. 10	5.7
		June 24	5.2	July 17	6.5		
				Aug. 20	5.3		
				Sept. 9	4.8		

Station No. 02FA100

Station No. 02FA100

Location: At the side of Hwy. 21, about 0.3 mile west of
the Police Village of Allenford

Gauge:	Measuring Point
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94	94
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99	99
100	100

Drainage Area: 113 square miles

Period of Record: May 1968 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 23	48.9	July 23	16.5	Oct. 1	34.2
		June 4	31.1	Aug. 6	13.3	Oct. 15	51.6
		June 18	25.8	Aug. 20	9.1	Oct. 29	27.1
				Sept. 16	49.3	Nov. 26	56.9

SAUBLE RIVER AT TARA

73

Station No. 02FA101

Location: At the bridge on the Main Street in the Village of Tara

Gauge: None

Drainage Area: 81 square miles

Period of Record: June to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 4	23.9	July 23	11.0	Oct. 1	24.3
		June 18	18.1	Aug. 6	9.8	Oct. 15	35.4
				Aug. 20	7.3	Oct. 29	14.9
				Sept. 16	26.5	Nov. 26	39.3

SAUGEEN RIVER NEAR PRICEVILLE

Station No. 02FC110

Location: At the bridge on Concession 2, Township of Glenelg, about 1.5 miles southeast of the Police Village of Priceville

Gauge: Measuring Point

Drainage Area: 89 square miles

Period of Record: May 1968 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 22	31.1	July 11	12.4		
		June 17	19.2	July 27	10.7		
				Aug. 5	5.0		
				Aug. 19	3.1		
				Sept. 4	13.4		
				Sept.15	45.1		
				Sept.30	20.1		

SAUGEEN RIVER AT DURHAM

75

Station No. 02FC101

Location: At the bridge on Hwy. 6 in the Town of Durham

Gauge: Staff

Drainage Area: 133 square miles

Period of Record: March to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 27	478	May 26	85.8	July 1	36.3	Dec. 5	106
		May 28	73.2	Aug. 21	28.4	Dec. 9	154
		June 4	58.9				
		June 9	62.8				
		June 26	51.4				

SAWMILL CREEK AT OTTAWA

Station No. 02LA105

Location: Near intersection of Bank Street and Riverside Drive
in the City of Ottawa

Gauge: Staff

Drainage Area: 13.0 square miles

Period of Record: July 1974 to September 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 21	25.0	Apr. 8	12.6	July 28	4.5		
		Apr. 18	57.0	Aug. 20	3.2		
		Apr. 22	25.6				
		Apr. 29	8.3				
		May 15	4.8				
		May 27	6.3				
		June 10	7.2				

77

Station No. 02FE104

Location: At the bridge on Concession 5-6, Township of Colborne, about 2 miles north of the Community of Benmiller

Gauge: None

Drainage Area: 19.9 square miles

Period of Record: July to December 1975

Remarks:

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 12	5.3	Oct. 7	7.4
				July 30	5.1	Oct. 21	6.6
						Nov. 5	12.4
						Nov. 18	10.9

SIX MILE CREEK NEAR ST. CATHARINES

Station No. 02HA102

Location: At the culvert on Lakeshore Road, about 2.5 miles east of the City of St. Catharines

Gauge: Staff

Drainage Area: 8.1 square miles

Period of Record: September 1966 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 8	1.2	July 9	N.F.	Oct. 21	0.5
		May 30	0.5	July 23	0.1	Nov. 25	0.1
		June 30	0.3	Aug. 5	0.1		
		June 13	0.5	Aug. 20	N.F.		
		June 24	0.1	Sept. 16	N.F.		

Location: At the concrete culvert on Northumberland County
Road 64, about 2.5 miles east of the Town of
Brighton

Drainage Area: 7.3 square miles

Period of Record: May 1970 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 16	17.0	Aug. 8	2.3		
		June 5	8.9				
		June 24	11.1				

81

Location: At the bridge on Grey County Road 16, about 0.5 mile east of the Village of Neustadt

Drainage Area: 238 square miles

Period of Record: July to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 9	30.3	Oct. 2	65.7
				Aug. 7	39.2	Oct. 30	63.5

82

SOUTH SAUGEEEN RIVER NEAR MOUNT FOREST

Station No. 02FC111

Location: At the bridge on Side Road 1, Township of Arthur,
about 0.6 mile southwest of the Town of Mount
Forest

Gauge: Measuring Point

Drainage Area: 140 square miles

Period of Record: May 1968 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging
Site Data section of previous bulletins in this
series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 3	25.1	July 17	13.1	Oct. 14	35.4
		June 17	25.8	July 22	25.1	Oct. 28	29.4
				Aug. 5	13.1		
				Aug. 19	10.2		
				Sept. 4	23.4		
				Sept.15	59.1		
				Sept.30	34.1		

Station No. 02GD105

Location: At the bridge on Concession 6, Township of Blandford,
about 0.5 mile southeast of the Police Village of
Innerkip

Gauge: Measuring point

Drainage Area: 62.0 square miles

Period of Record: June 1972 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 18	4.8	Oct. 8	7.0
				July 31	5.3	Nov. 19	17.9
				Aug. 14	35.6		
				Aug. 25	50.0		
				Sept. 11	7.3		
				Sept. 24	17.0		

SPEY RIVER NEAR CHATSWORTH

Station No. 02FB104

Location: At the culvert on Hwys. 6 and 10, about 0.7 mile north of the Village of Chatsworth

Gauge: None

Drainage Area: 15.3 square miles

Period of Record: May to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 22	20.4	July 11	5.1	Oct. 14	8.4
		June 3	8.8	July 22	5.4	Nov. 26	10.1
		June 17	7.3	Aug. 5	4.1		
				Aug. 19	3.3		
				Sept. 4	4.3		
				Sept.16	7.8		
				Sept.30	6.0		

STEVENS CREEK NEAR KARS

85

Station No. 02LA109

Location: At the township road bridge, Lot 18, Concession 1, Township of North Gower, about 2.5 miles northwest of the Village of Kars

Gauge: Staff

Drainage Area: 49.9 square miles

Period of Record: June 1974 to September 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 21	224	Apr. 21	415	July 31	0.5		
		Apr. 23	272	Aug. 19	0.5		
		Apr. 29	108				
		May 28	23.5				
		June 24	4.8				

STONEY CREEK BELOW SELKIRK

Station No. 02GC100

Location: At the bridge on Haldimand County Road 7, about
0.3 mile south of the Hamlet of Selkirk

Gauge: Staff

Drainage Area: 45.5 square miles

Period of Record: April 1967 to December 1975

Remarks: Records fair

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 7	6.2	July 8	0.1	Oct. 29	4.3
		May 29	0.3	July 21	0.1		
		June 2	0.4	Aug. 6	24.4		
		June 9	26.2	Aug. 18	0.5		
		June 25	1.4				

STONEY CREEK BELOW STONEY CREEK

87

Station No. 02HB108

Location: At the culvert on Barton Street below the Town of Stoney Creek

Gauge: Staff

Drainage Area: 11.2 square miles

Period of Record: July 1966 to December 1975

Remarks: Records good

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 16	1.0	July 9	0.2		
		May 30	0.4	July 23	0.1		
		June 13	1.9	Aug. 7	0.3		
		June 24	0.4	Aug. 20	N.F.		

Station No. 02GG104

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 2	10.4	July 6	7.6	Nov. 6	15.8
		June 16	22.1	July 17	7.0	Nov. 20	11.8
		June 26	14.9	July 31	5.1		

Station No. 02LA101

Location: At the bridge on Rogers Road in the Town of Perth

Gauge: Staff

Drainage Area: 257 square miles

Period of Record: April 1971 to November 1975

Remarks: Records fair. Daily gauge reader April 1 to October 31, 1975

Daily Discharge in Cubic Feet per Second

1975								
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Day
1	303	657	76	88	97	97	97	1
2	321	585	76	88	94	107	100	2
3	312	435	52	91	91	111	94	3
4	312	411	55	88	94	111	94	4
5	285	294	46	88	79	107	91	5
6	285	294	61	94	124	107	88	6
7	312	303	85	91	94	111	88	7
8	267	273	121	91	82	97	88	8
9	273	243	114	94	82	97	85	9
10	285	210	114	94	79	100	85	10
11	303	205	107	91	82	97	88	11
12	303	163	88	91	82	118	94	12
13	312	159	100	91	79	104	121	13
14	330	151	104	94	82	94	118	14
15	-	143	100	91	100	94	97	15
16	709	128	91	104	103	97	104	16
17	-	151	94	97	97	94	104	17
18	-	117	88	97	100	91	100	18
19	-	124	82	94	97	97	107	19
20	-	114	82	94	97	111	121	20
21	-	117	82	91	97	125	121	21
22	-	70	88	114	94	118	97	22
23	1180	139	85	121	94	94	94	23
24	-	215	88	118	94	88	94	24
25	921	97	37	114	97	85	91	25
26	-	103	76	121	97	85	88	26
27	-	97	76	132	104	64	88	27
28	-	94	76	114	100	100	91	28
29	-	91	79	111	118	104	91	29
30	-	94	70	111	118	97	88	30
31	-	70		111	111		88	31

TEESWATER RIVER NEAR RIVERSDALE

Station No. 02FC105

Location: At the bridge on Hwy 9 about 0.1 mile east of
the Community of Riversdale

[illegible]

Drainage Area: 157 square miles

Period of Record: June 1968 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 18	92.7	July 17	43.3	Oct. 2	108
				Aug. 7	42.2	Oct. 30	106
						Nov. 25	141

TEESWATER RIVER AT TEESWATER

91

Station No. 02FC104

Location: At the bridge on Hwy 4 in the Village of TeeswaterGauge: NoneDrainage Area: 50 square milesPeriod of Record: June to December 1975

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 5	66.2	July 9	17.9	Oct. 2	40.2
		June 19	91.7	July 27	21.1	Oct. 16	74.7
				Aug. 7	17.3	Nov. 25	36.3
				Sept. 3	39.7		
				Sept. 17	38.5		

TWELVE MILE CREEK NEAR DECEW FALLS

Station No. 02HA105

Location: At the bridge on 1st Street Louth, in the
Hamlet of Decew Falls

Gauge:	Measuring Point
--------	-----------------

Drainage Area: 18.8 square miles

Period of Record: May 1969 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 16	6.7	July 9	4.6		
		May 30	10.3	July 23	4.8		
		June 13	8.1	Aug. 5	5.4		
		June 24	5.6	Aug. 20	4.5		

TWENTY MILE CREEK AT SMITHVILLE

93

Station No. 02HA106

Location: At the bridge on Canborough Street in the Police Village of Smithville

Gauge: Measuring Point

Drainage Area: 69.5 square miles

Period of Record: May 1969 to December 1975

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1975							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 30	0.6	July 9	0.6		
		June 3	1.4	July 23	0.4		
		June 13	19.9	Aug. 5	0.4		
		June 24	5.6	Aug. 20	2.1		

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ONTARIO
1976**

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1976**

ISSN 0382-2915

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO

ONTARIO



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INTRODUCTION

This bulletin contains streamflow data collected during 1976 by personnel of the Ministry of the Environment.

The basic data were collected and compiled by the Water Resources Assessment Units of the Ministry's Regional Offices at London, Stoney Creek, Don Mills, Kingston and Sudbury.

This publication was prepared by personnel of the Hydrology and Monitoring Section of the Water Resources Branch, Ministry of the Environment, Toronto.

Enquiries concerning the data in this bulletin should be made to the following:

Hydrology and Monitoring Section
Water Resources Branch
135 St. Clair Avenue West
Toronto, Ontario

Technical Support Section
London Regional Office
985 Adelaide Street South
London, Ontario

Technical Support Section
Kingston Regional Office
133 Dalton Street
Kingston, Ontario

Technical Support Section
Hamilton Regional Office
140 Centennial Parkway North
Stoney Creek, Ontario

Technical Support Section
Toronto Regional Office
150 Ferrand Drive
Don Mills, Ontario

Technical Support Section
Sudbury Regional Office
469 Bouchard Street
Sudbury, Ontario

Other Data Sources

Data collected by the Regional Offices on a daily basis throughout the year in Southern Ontario are not published in this bulletin. For convenience, these data are included in the Federal Government publication, "Surface Water Data - Ontario". That publication, which includes streamflow and water-level data for numerous rivers and lakes in the Province, is published annually by Water Survey of Canada. Enquiries should be made to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

DATA QUALITY

Many of the flows were determined by direct measurements; others are values calculated from a reading of water elevation and an empirically determined stage-discharge relationship.

The following terms are used to describe the quality of the records:-

- Excellent: Records obtained at a site where an intensive discharge measurement program has produced a well-defined and stable stage-discharge relationship.
- Good: Records obtained from a site where an intensive discharge measurement program has produced a well-defined stage-discharge relationship which is not completely stable due to minor shifting of the stream bed or other channel properties which control water levels.
- Fair: Records obtained from a site where scarcity of discharge measurements has permitted only moderate definition of the stage-discharge relationship.
- Poor: Records obtained from a site where an unstable control, poor discharge measurement section or discharge measurements has resulted in a poorly defined stage-discharge relationship.

DEFINITION OF TERMS AND ABBREVIATIONS

"Cubic foot per second" (cfs) is the unit expressing the rate of streamflow discharge used in this bulletin.

"Acre-foot" (ac-ft) is the volume of water required to cover an area of one acre to a depth of one foot. It is equal to 43,560 cubic feet.

"WCP" Water Pollution Control Plant.

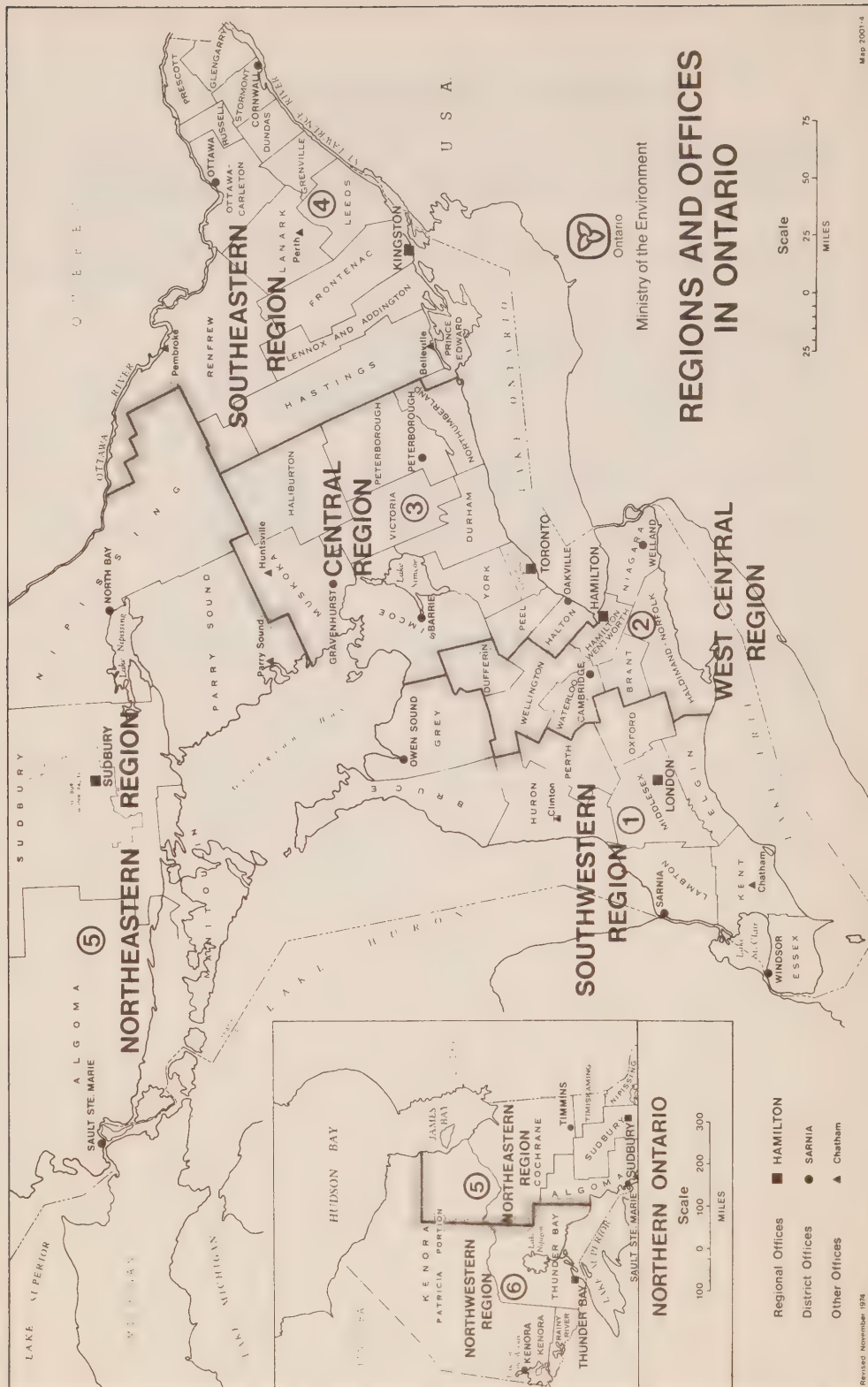
"No Flow" (N.F.) This notation indicates a field observation of either no streamflow, or a flow of less than 0.05 cfs.

1 cubic foot equals 6.232 Imperial gallons.

1 cubic foot per second equals 374 Imperial gallons per minute.

1 cubic foot per second for one day equals 1.984 acre-feet.

1 cubic foot per second equals 0.0283 cubic meters per second.



ABERFOYLE CREEK AT ABERFOYLE

Station No. 02GA107

Location: At the concrete culvert, on Hwy.6 in the
Community of Aberfoyle

Gauge: Staff

Drainage Area: 10.2 square miles

Period of Record: July 1974 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Jan. 12	2.1	May 13	5.8	Aug. 19	0.7	Oct. 7	1.7
Feb. 18	5.6	June 15	0.0	Sept.22	4.6	Oct. 8	4.6
Feb. 19	8.7					Oct. 14	2.2
Feb. 20	8.6					Oct. 18	1.1
Mar. 21	32.1					Oct. 22	7.2
Mar. 25	25.8					Nov. 5	3.5
						Nov. 15	1.6
						Nov. 25	1.4
						Dec. 2	1.4
						Dec. 7	1.1
						Dec. 10	1.1

ABERFOYLE CREEK TRIBUTARY NEAR ABERFOYLE

Station No. 02GA108

Location: At the private road bridge, Lot 22,
Concession 7, Township of Puslinch, about
0.5 mile west of the Community of Aberfoyle

Gauge: Staff

Drainage Area: 0.9 square miles

Period of Record: August 1974 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 4	5.7	May 17	11.0	July 28	2.9	Oct. 8	5.1
Feb. 18	25.4	June 16	6.1	Aug. 19	3.2	Oct. 12	5.6
Feb. 19	33.4					Oct. 21	11.0
Feb. 20	30.8					Oct. 22	8.1
Mar. 25	50.9					Oct. 28	4.5
						Nov. 4	4.2
						Nov. 5	4.0
						Nov. 15	3.4
						Nov. 25	4.0
						Dec. 6	3.9
						Dec. 10	3.8

ABERFOYLE CREEK BELOW ABERFOYLE

3

Station No. 02GA109

Location: At the bridge on Concession 7, Township of Puslinch, about 1.5 miles west of the Community of Aberfoyle

Gauge: Staff

Drainage Area: 12.9 square miles

Period of Record: June 1974 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Jan. 12	14.3	May 13	22.8	July 23	7.3	Oct.5	8.4
Feb. 4	15.0	June 15	6.6	Aug. 24	8.3	Oct.8	13.4
Feb. 18	36.1			Sept.20	25.6	Oct.21	17.7
Feb. 19	41.8					Oct.22	20.1
Mar. 22	73.8					Oct.28	11.7
Mar. 23	51.7					Nov. 4	12.5
Mar. 25	77.0					Nov.19	10.2
						Nov.25	10.4
						Nov.30	13.5
						Dec.2	12.3
						Dec.7	10.7
						Dec.9	9.6

ALBERMARLE CREEK NEAR MAR

Station No. 02FA102

Location: At the culvert on Hwy. 6, about 0.7 mile north of the Community of Mar

Gauge: None

Drainage Area: 10.8 square miles

Period of Record: May to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 29	14.7	Aug. 19	0.4	Oct. 13	1.9
		May 11	30.2				
		June 8	4.4				
		June 29	3.0				

ANCASTER CREEK AT HAMILTON

5

Station No. 02HB111

Location: At the bridge on the west campus of McMaster University, about 0.2 mile above the confluence with Spencer Creek, in the City of Hamilton

Gauge: None

Drainage Area: 17.5 square miles

Period of Record: July 1972 to December 1976

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 12	24.1	July 14	4.7		
		May 17	22.6	Aug. 11	4.8		
		May 27	7.9	Aug. 16	6.3		
		June 7	8.4				
		June 18	6.2				
		June 25	14.2				

Station No. 02FF103

Location: At the bridge on Hwy. 83 about 0.8 mile west of the junction with Hwy. 4 in the Town of Exeter

Gauge: None

Drainage Area: 42 Square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 15	0.7	July 6	10.5	Oct. 4	4.7
				Aug. 24	5.9	Nov. 1	7.5
				Sept. 9	0.9		

AUSABLE RIVER ABOVE EXETER

7

Station No. 02FF104

Location: Below the Morrison Lake dam, at the bridge
on Concession 2-3, Township of Usborne,
about 1 mile east of the Town of Exeter

Gauge: None

Drainage Area: 37 square miles

Period of Record: July 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 6	9.1	Oct. 4	3.8
				July 20	7.3	Oct. 18	3.3
				Aug. 5	3.9	Nov. 1	6.0
				Aug. 24	4.3		
				Sept. 9	1.0		

AUSABLE RIVER NEAR EXETER

Station No. 02FF107

Location: At the bridge on Concession 4-5, Township of Usborne,
about 0.5 mile north of Hwy. 83, and approximately
3 miles northeast of the Town of Exeter

Gauge: On-stream recorder

Drainage Area: 29.7 square miles

Period of Record: June 1975 to November 1976

Remarks: Temporary on-stream recorder and weir installed
June 21 to November 18, 1976

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1				-	2.2	3.6	4.6	1
2				-	2.1	3.3	4.6	2
3				-	1.5	3.1	4.7	3
4				-	1.5	2.9	4.5	4
5			8.6	-	1.3	2.7	4.6	5
6			7.0	-	1.5	3.6	5.2	6
7			6.0	-	1.9	7.3	7.4	7
8			5.3	-	1.8	6.2	9.1	8
9			4.5	-	1.9	5.5	9.1	9
10			4.8	2.3	1.6	4.7	10.0	10
11			7.9	2.1	2.0	4.0	11.5	11
12			-	1.9	1.6	3.5	-	12
13			7.1	2.9	1.3	3.5	-	13
14			5.2	-	1.1	3.8	-	14
15			-	-	1.1	3.7	-	15
16			-	-	1.2	3.3	-	16
17			-	-	1.5	3.1	11.8	17
18			-	10.1	-	2.9	12.1	18
19			-	8.0	10.1	2.9	-	19
20			4.9	6.3	6.6	4.7	-	20
21		-	-	5.0	5.1	8.9		21
22		2.6	-	4.5	5.2	11.1		22
23		2.5	-	3.8	8.5	8.9		23
24		2.4	-	3.5	9.9	7.6		24
25		3.3	-	2.8	7.4	6.8		25
26		3.3	-	2.6	6.0	5.9		26
27		2.6	-	2.3	6.0	5.0		27
28		2.3	-	2.2	5.7	4.7		28
29		2.8	-	2.0	4.9	4.6		29
30		-	-	1.9	4.2	4.3		30
31			-	1.8	-	4.8		31

AUSABLE RIVER TRIBUTARY NEAR EXETER

11

Station No. 02FF108

Location: At the bridge on Concession 4-5, Township of Usborne,
about 1.5 miles north of Hwy. 83, and approximately
4 miles northeast of the Town of Exeter

Gauge: On-stream recorder

Drainage Area: 1.1 square miles

Period of Record: June 1975 to November 1976

Remarks: Temporary on-stream recorder and weir installed
June 11 to November 6, 1976

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			-	1.2	0.63	0.98	1.1	1
2			-	0.98	0.59	0.85	1.1	2
3			3.7	0.81	0.56	0.77	1.1	3
4			2.6	0.70	0.53	0.70	1.0	4
5			1.8	0.63	0.47	0.63	1.0	5
6			1.4	0.56	0.47	0.77	1.2	6
7			1.2	0.53	0.44	1.9		7
8			1.0	0.50	0.42	1.7		8
9			0.77	0.47	0.44	-		9
10			0.89	0.40	0.56	-		10
11		0.53	-	0.34	0.59	-		11
12		0.47	-	0.32	0.50	-		12
13		0.42	1.9	0.81	0.44	-		13
14		0.40	-	-	0.42	-		14
15		0.36	-	-	0.44	-		15
16		0.36	-	-	0.44	-		16
17		0.40	-	-	0.56	-		17
18		0.34	2.4	-	-	-		18
19		0.40	1.7	3.2	-	0.59		19
20		0.40	-	1.8	1.9	1.1		20
21		0.34	-	1.4	1.4	-		21
22		0.32	-	1.2	1.7	-		22
23		0.27	-	0.98	-	2.3		23
24		0.27	0.01	0.77	-	1.9		24
25		0.47	-	0.66	1.9	1.7		25
26		0.63	-	0.56	1.6	1.5		26
27		0.44	-	0.53	1.7	1.2		27
28		0.40	-	0.47	1.5	1.1		28
29		0.47	-	0.42	1.3	1.1		29
30		1.32	2.1	0.40	1.2	1.0		30
31			1.6	0.63		1.1		31

BAXTER CREEK AT HWY 28

Station No. 02HJ102

Location: At the bridge on Hwy. 28, about 1 mile south
of the Community of Fraserville.

Gauge: Measuring Point

Drainage Area: 28.9 square miles

Period of Record: April 1971 to December 1976

Remarks: Records fair. Daily gauge reader employed
April 10 to October 28, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	April	May	June	July	Aug.	Sept.	Oct.	Day
1		19.4	29.8	28.8	35.0	19.4	11.4	1
2		27.7	22.5	55.0	28.2	18.7	17.9	2
3		21.3	23.4	30.9	21.7	16.5	35.7	3
4		23.4	20.6	29.3	19.1	15.0	38.6	4
5		21.3	19.1	27.2	19.4	18.7	29.8	5
6	-	25.5	28.8	25.5	18.3	20.6	22.1	6
7	-	23.4	22.5	26.1	20.6	19.4	18.3	7
8	-	21.3	19.1	19.4	51.1	15.0	16.8	8
9	-	19.4	16.5	23.8	19.4	18.7	15.7	9
10	35.7	21.3	19.1	22.5	18.3	17.2	16.8	10
11	17.6	23.4	18.3	25.5	16.5	16.5	15.7	11
12	19.4	19.4	22.5	22.1	17.2	15.7	14.2	12
13	20.9	13.8	18.3	23.4	20.6	15.0	16.5	13
14	28.2	17.6	23.4	28.2	19.4	15.7	15.7	14
15	30.9	19.4	20.9	22.5	19.1	14.2	14.2	15
16	35.7	23.4	15.0	28.2	19.4	14.6	13.0	16
17	27.7	21.3	12.5	23.4	20.2	15.4	15.4	17
18	17.6	17.6	10.0	22.9	21.3	17.9	18.3	18
19	35.7	22.5	24.6	27.2	24.6	15.7	22.1	19
20	53.1	58.4	23.4	20.9	25.5	14.6	19.4	20
21	19.4	23.4	29.8	21.7	26.1	17.9	18.3	21
22	21.3	20.6	27.2	20.9	23.4	17.2	17.6	22
23	22.5	19.1	22.5	23.4	21.3	17.9	16.8	23
24	24.2	17.6	17.2	19.4	19.4	16.5	16.5	24
25	30.9	19.1	13.8	19.1	16.5	17.2	16.1	25
26	48.2	23.4	10.8	20.9	10.8	14.2	15.4	26
27	35.0	32.0	9.5	27.2	15.7	15.4	17.6	27
28	30.9	58.4	13.8	27.2	16.5	14.6	16.8	28
29	21.3	29.8	19.4	30.9	16.8	15.4	-	29
30	23.4	23.4	22.5	27.2	19.4	13.0	-	30
31		32.0		30.9	19.1		-	31

BEAR CREEK NEAR WARWICK

13

Station No. 02GG103

Location: At the conservation area downstream of the
Community of Warwick

Gauge: None

Drainage Area: 34 square miles

Period of Record: May 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 4	9.2	July 8	9.1	Oct. 7	18.1
		June 17	1.5	July 28	3.0	Oct. 25	7.1
				Aug. 5	2.5		
				Aug. 20	3.3		
				Aug. 26	1.2		
				Sept. 2	0.8		
				Sept.21	6.6		

BIG CREEK NEAR STRANGFIELD

15

Station No. 02GE107

Location: At the concrete culvert, Concession 10,
Township of Tilbury West, about 0.25 mile
west of the Settlement of Strangfield

Gauge: Staff

Drainage Area: 20.0 square miles

Period of Record: March 1975 to December 1976

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 19	123	Apr. 29	7.4	July 5	0.2	Oct. 7	3.0
		May 3	3.6	July 8	1.2	Oct. 25	0.4
		May 6	2.0	July 12	25.0	Dec. 20	1.7
		May 10	6.7	July 15	1.1		
		May 20	3.3				
		May 31	0.8				
		June 28	1.7				

BLACK CREEK NEAR OIL SPRINGS

Station No. 02GG101

Location: At the bridge on Enniskillen Twp. Road 12,
about 1.1 miles west of the Village of oil
Springs

Gauge: None

Drainage Area: 32 square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 8	6.0	Oct. 7	2.9
		June 17	0.3	July 28	0.8	Oct. 25	1.1
				Aug. 5	1.8		
				Aug. 20	0.8		
				Aug. 26	0.1		
				Sept. 21	3.6		

BLACK CREEK BELOW ACTON

17

Station No. 02HB106

Location: At the bridge on Concession 4, Township of
Esquessing, about 1.5 miles southeast of the Town
of Acton

Gauge: On-stream recorder

Drainage Area: 10.0 square miles

Period of Record: April 1966 to December 1976

Remarks: Temporary on-stream recorder installed May 1 to
November 30, 1976. Discharge affected by
regulation.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1	14.9	6.2	17.0	7.3	6.1	9.0	9.0	1
2	15.9	5.7	7.9	6.5	4.5	7.6	10.6	2
3	13.4	5.6	7.1	5.9	4.3	6.5	13.2	3
4	11.9	5.6	6.9	5.6	4.2	5.7	12.3	4
5	11.1	5.6	7.6	5.5	3.7	7.9	11.7	5
6	17.4	5.7	5.7	5.1	3.6	4.7	10.8	6
7	44.3	5.5	12.4	4.7	4.0	6.0	9.7	7
8	30.7	5.1	22.9	5.6	4.0	4.7	9.5	8
9	19.1	5.1	14.9	6.0	4.2	5.2	9.8	9
10	14.1	4.7	9.0	5.4	5.6	5.4	9.7	10
11	13.6	4.8	8.0	5.3	4.6	6.2	9.3	11
12	14.4	4.4	8.0	5.0	4.0	6.3	9.1	12
13	13.0	4.2	7.1	7.3	4.0	5.8	9.2	13
14	11.4	4.9	6.5	7.1	4.5	11.6	9.5	14
15	10.5	4.8	6.4	7.8	4.0	5.6	9.6	15
16	16.5	5.2	8.0	7.0	4.3	4.7	9.4	16
17	12.9	5.4	7.0	6.2	10.7	4.2	9.3	17
18	12.0	5.0	6.4	5.2	50.1	4.0	9.1	18
19	10.9	5.8	6.1	5.0	37.6	4.3	8.9	19
20	10.3	5.6	6.1	4.9	25.5	8.0	8.9	20
21	9.5	5.1	7.6	4.6	17.3	9.7	8.8	21
22	15.2	5.2	6.2	4.3	16.5	10.5	9.7	22
23	14.8	5.0	5.9	4.3	13.7	11.3	9.7	23
24	6.7	5.0	5.6	4.5	9.9	12.6	9.5	24
25	6.7	7.8	5.0	4.0	8.6	16.1	9.5	25
26	5.7	8.1	5.1	4.1	8.9	17.6	11.1	26
27	5.6	12.9	4.9	5.0	8.4	15.5	13.7	27
28	5.2	8.3	4.6	5.9	7.5	14.0	14.7	28
29	4.9	9.9	7.3	5.2	6.8	12.9	13.3	29
30	5.0	19.0	6.0	4.4	7.3	11.5	12.0	30
31	6.3		7.2	4.5		10.4		31

BLACK RIVER AT CEDAR VALLEY

Station No. 02EC110

Location: At the bridge on Concession 6, Township of
Whitchurch, in the Community of Cedar Valley

Gauge: On-stream Recorder

Drainage Area: 4.4 square miles

Period of Record: June to October 1976

Remarks: Discharge affected by regulation. Temporary
on-stream recorder installed June 26 to
October 18, 1976

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			2.2	4.1	2.7	2.7		1
2			3.9	2.9	2.3	2.6		2
3			4.5	2.2	1.3	2.2		3
4			4.4	2.4	1.3	2.4		4
5			3.0	2.5	1.3	2.4		5
6			2.3	4.7	1.6	2.4		6
7			3.0	3.9	1.7	2.5		7
8			5.4	1.2	1.7	2.5		8
9			5.0	1.2	2.0	2.5		9
10			1.7	1.3	3.5	2.5		10
11			8.2	1.8	3.2	1.9		11
12			6.1	2.7	3.1	1.3		12
13			4.9	4.4	1.4	1.4		13
14			1.5	5.1	1.4	1.7		14
15			2.4	4.3	1.4	1.7		15
16			2.8	2.3	1.5	1.7		16
17			2.6	1.4	2.4	1.8		17
18			2.3	1.7	3.8	1.4		18
19			2.0	1.7	2.5	-		19
20			2.1	1.7	1.8	-		20
21			5.0	1.7	2.9			21
22			3.3	1.7	3.7			22
23			1.6	1.7	3.4			23
24			6.9	1.7	3.3			24
25			5.2	1.6	3.3			25
26		2.9	3.0	1.9	3.2			26
27		1.7	4.2	2.9	3.1			27
28		2.1	1.2	2.7	3.1			28
29		5.1	4.2	2.3	3.0			29
30		4.5	7.2	1.3	2.8			30
31			5.4	1.5				31

Station No. 02EC111

Location: At the bridge on Concession 6, Township of Whitchurch,
about 1 mile north of the Community of Pine Orchard

Gauge: On-stream recorder

Drainage Area: 5.2 square miles

Period of Record: May to October 1976

Remarks: Discharge affected by water taking for irrigation.
Temporary on-stream recorder and rectangular weir
with 2 foot crest installed May 18 to October 20, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		4.5	2.9	4.9	4.3	3.5		1
2		5.0	3.1	2.9	3.6	3.4		2
3		4.4	5.0	2.1	1.8	2.9		3
4		2.3	3.6	2.2	1.6	3.1		4
5		1.7	2.8	2.2	1.5	3.1		5
6		2.3	2.1	3.6	1.8	3.1		6
7		2.1	4.0	3.3	2.0	4.3		7
8		2.0	5.1	1.8	2.0	3.3		8
9		1.8	4.7	1.6	2.1	3.8		9
10		1.6	2.4	1.5	4.5	4.0		10
11		1.7	-	1.7	4.1	3.2		11
12		1.6	6.6	2.1	3.6	1.8		12
13		1.7	4.4	4.7	1.8	1.6		13
14		2.5	2.5	5.7	1.6	2.1		14
15		3.9	2.2	6.3	1.6	2.2		15
16	-	3.9	2.4	4.5	1.7	2.2		16
17	-	3.7	2.3	2.1	2.5	2.2		17
18	4.8	1.7	2.2	2.0	5.3	2.3		18
19	4.5	2.2	2.2	2.1	3.4	2.3		19
20	4.3	3.9	2.2	2.1	2.6	3.5		20
21	4.1	2.7	3.7	2.0	3.4			21
22	4.0	2.4	2.9	2.0	4.6			22
23	4.2	2.4	2.2	1.9	4.4			23
24	2.1	2.3	6.1	1.9	4.1			24
25	2.0	3.0	6.2	1.8	3.6			25
26	2.1	2.7	3.0	1.7	1.8			26
27	2.2	2.3	3.0	2.9	3.5			27
28	2.6	1.9	1.7	3.3	4.0			28
29	2.6	3.9	3.9	3.1	3.8			29
30	2.6	4.5	-	1.6	3.7			30
31	4.4		6.4	1.6				31

BLACK RIVER NEAR SHARON

Station No. 02EC112

Location: At the Sharon Golf Course, approximately 2 miles southeast of the Community of Sharon

Gauge: On-stream recorder

Drainage Area: 15.3 square miles

Period of Record: June to September 1976

Remarks: Discharge affected by water taking for irrigation.
Temporary on-stream recorder installed June 3 to September 26, 1976

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		-	5.9	-	5.0			1
2		-	7.1	-	6.4			2
3		6.6	-	-	2.9			3
4		2.6	-	-	2.2			4
5		2.2	-	-	1.8			5
6		2.1	-	4.2	1.8			6
7		1.8	-	4.0	1.9			7
8		1.9	-	2.6	1.8			8
9		1.6	-	2.2	1.8			9
10		1.7	-	2.1	4.5			10
11		1.7	-	1.9	4.5			11
12		1.6	-	2.3	3.8			12
13		1.9	-	6.5	2.2			13
14		2.8	-	9.5	1.7			14
15		3.4	-	8.9	1.6			15
16		3.7	-	9.1	1.7			16
17		3.9	-	5.4	2.5			17
18		3.4	-	3.1	9.5			18
19		1.7	-	2.6	8.0			19
20		4.6	-	2.5	5.7			20
21		7.4	-	2.2	7.1			21
22		3.6	-	2.2	8.3			22
23		2.7	-	2.1	7.6			23
24		2.5	-	1.9	6.8			24
25		2.8	-	1.7	5.1			25
26		3.0	-	1.6	2.8			26
27		2.8	-	2.4	-			27
28		2.1	-	2.7	-			28
29		4.3	-	3.2	-			29
30		6.0	-	2.0	-			30
31			-	1.6				31

Station No. 02EC114

Location: At the bridge on Orillia Township Line 2,
about 0.4 mile east of Hwy. 11

<u>Gauge:</u>	Measuring Point
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
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31	31
32	32
33	33
34	34
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41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
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78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Drainage Area: 11.8 square miles

Period of Record: May 1973 to December 1976

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 6	28.3	July 21	11.9	Oct. 13	8.3
		June 23	7.7	Aug. 18	8.0		
				Sept.15	6.8		

BLYTH BROOK NEAR BLYTH

Station No. 02FE105

Location: At the bridge on Side Road 39-40,
Township of East Wawanosh, about 1.5 miles
northwest of the Village of Blyth

Gauge: Staff

Drainage Area: 19.5 square miles

Period of Record: July 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 5	4.4	Oct. 5	3.5
				July 19	2.0		
				Aug. 4	1.7		
				Aug. 23	1.2		
				Sept. 24	17.9		

BOYNE RIVER AT FLESHERTON

23

Station No. 02FB103

Location: At the bridge on Hwy. 10 in the Village of
Flesherton

Gauge: On-stream recorder

Drainage Area: 9.9 square miles

Period of Record: June 1975 to November 1976

Remarks: Temporary on-stream recorder and weir installed
June 19 to November 24, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			-	6.2	4.0	3.8	7.6	1
2			-	5.0	3.9	3.9	7.4	2
3			-	4.6	3.3	-	7.5	3
4			-	4.2	3.2	8.5	7.4	4
5			-	4.0	3.2	6.8	7.3	5
6			-	3.8	2.3	6.9	7.3	6
7			-	5.8	3.1	6.3	7.2	7
8			8.5	5.1	3.3	5.0	6.9	8
9			7.9	4.6	2.9	4.2	6.8	9
10			7.6	4.1	3.8	3.3	6.7	10
11			-	3.6	4.3	2.8	6.5	11
12			-	-	3.8	3.3	6.2	12
13			7.3	4.8	3.6	3.2	6.2	13
14			6.5	4.5	3.4	3.6	-	14
15			6.4	5.6	3.6	3.2	-	15
16		-	7.1	4.7	3.8	3.4	-	16
17		-	6.2	4.1	6.4	3.7	-	17
18		-	5.6	3.8	-	3.9	-	18
19		5.0	5.6	4.1	-	3.6	7.5	19
20		4.9	5.6	4.3	-	4.7	6.8	20
21		4.7	5.5	4.0	-	5.4	6.2	21
22		4.9	5.0	3.7	-	6.9	6.2	22
23		4.7	5.0	3.5	6.3	7.6	-	23
24		4.5	4.9	3.4	5.8	7.4	6.4	24
25		4.5	4.6	3.4	5.0	7.6	6.0	25
26		4.2	4.4	3.4	5.0	8.2		26
27		4.8	2.5	3.5	4.7	8.2		27
28		5.1	3.3	3.5	3.8	7.5		28
29		6.7	-	3.5	3.9	7.3		29
30		7.0	7.0	3.3	4.2	7.3		30
31			-	2.9		7.5		31

BROWN CREEK NEAR WATFORD

Station No. 02GA105

Location: At the bridge on the Warwick-Brooke Township Line, about 1 mile southeast of the Village of Watford

Gauge: None

Drainage Area: 6.4 square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 4	1.3	July 8	1.4	Oct. 7	24.9
		June 17	0.3	July 28	0.3	Oct. 25	1.8
				Aug. 5	0.5		
				Aug. 20	0.7		
				Aug. 26	N.F.		
				Sept. 2	N.F.		
				Sept. 21	2.7		

CATFISH CREEK AT GLENCOLIN

25

Station No. 02GC112

Location: At the bridge on Elgin County Road 30 in
the Community of Glencolin

Gauge: None

Drainage Area: 33 square miles

Period of Record: July to November 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 7	9.6	Oct. 7	5.5
				July 22	5.4	Nov. 5	6.1
				Aug. 6	8.4		
				Aug. 25	3.5		
				Sept. 8	2.6		

CATFISH CREEK NEAR ORWELL

Station No. 02GC110

Location: At the bridge on Hwy. 3, about 0.5 mile east of the Community of Orwell

Gauge: None

Drainage Area: 52 square miles

Period of Record: May 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 8	12.3	Oct. 7	11.3
				July 22	9.5	Nov. 5	23.9
				Aug. 6	14.3		
				Aug. 25	6.0		
				Sept. 8	4.6		

Station No. 02GA111

Location: At the south side of Hwy. 401, upstream of the eastbound lane, about 0.5 mile east of the Roseville Road overpass

Gauge: Staff

Drainage Area: 4.1 square miles

Period of Record: March 1975 to December 1976

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 27	0.8	Apr. 27	4.7	Sept. 27	0.5	Oct. 4	0.4
				Sept. 29	0.5	Oct. 6	0.2
						Oct.14	0.5
						Oct.18	0.4
						Oct.20	0.7
						Oct.28	0.6
						Nov. 1	0.7
						Nov. 3	0.2
						Nov.10	0.5
						Nov.24	0.2
						Nov.25	0.4
						Nov.29	0.3

CEDAR CREEK AT HWY. 401

Station No. 02GA112

Location: At the north side of Hwy. 401 adjacent to the westbound lane, about 0.5 mile west of the Roseville Road overpass

Gauge: Staff

Drainage Area: 4.6 square miles

Period of Record: March 1975 to December 1976

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb.25	4.9	Apr.27	4.8	Aug.4	1.1	Nov.1	1.4
Feb.26	7.7	June 3	2.1	Sept.27	1.5	Nov.3	1.0
				Sept.29	1.2	Nov.10	1.1
				Oct.4	0.6	Nov.17	1.1
				Oct.6	1.0	Nov.24	0.9
				Oct.13	0.9	Nov.29	1.4
				Oct.18	0.8	Dec.1	1.1
				Oct.20	1.5	Dec.8	1.1
				Oct.28	1.1	Dec.13	0.4
						Dec.15	0.8
						Dec.17	0.9
						Dec.23	0.5

Station No. 02GC103

Location: At the concrete culvert on Norfolk County Road 9, in the Hamlet of Clear Creek

Gauge: Staff

Drainage Area: 27.4 square miles

Period of Record: April 1967 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 19	195	May 13	34.8	July 22	8.2		
Mar. 10	78.1	June 30	24.8	Aug. 18	8.7		

Station No. 02HD103

Location: At the bridge adjacent to the WPCP in the
Town of Cobourg

Gauge: Wire Weight

Drainage Area: 48.7 square miles

Period of Record: July 1966 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 9	35.9	July 28	25.4	Nov.23	30.8
				Aug. 25	22.7		
				Sept.21	46.1		

COLBORNE CREEK AT LAKEPORT

Station No. 02HD102

Location: At the bridge in the Hamlet of Lakeport on the road leading to the Village of Colborne

Gauge: Staff

Drainage Area: 17.0 square miles

Period of Record: July 1966 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 9	10.1	July 28	6.8		
				Aug. 25	10.8		
				Sept. 21	12.0		

DICKINSON CREEK NEAR GLENBURN

Station No. 02LB103

Location: At the bridge on Prescott County Road 1, about
1 mile southwest of the Community of Glenburn.

Gauge: On-stream recorder

Drainage Area: 13.9 square miles

Period of Record: May to November 1976

Remarks: Records good. Temporary on-stream recorder
installed May 27 to November 16, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		5.2	9.3	2.9	4.3	4.3	26.0	1
2		4.8	9.9	2.8	4.2	3.8	20.5	2
3		4.5	7.3	2.8	3.6	3.6	18.1	3
4		4.7	6.3	2.8	3.3	3.5	18.1	4
5		3.8	4.7	2.8	3.3	3.6	13.8	5
6		3.7	4.2	3.1	3.2	4.1	10.9	6
7		3.5	3.6	2.9	3.0	3.9	9.2	7
8		3.8	5.1	4.1	3.0	4.9	8.5	8
9		4.4	3.7	10.6	3.0	5.1	8.3	9
10		3.9	3.4	5.3	3.4	40.0	7.4	10
11		4.7	3.5	4.1	3.3	20.0	6.6	11
12		5.6	27.0	3.7	3.2	11.9	6.7	12
13		4.5	11.7	3.7	3.6	8.9	6.5	13
14		4.8	10.0	3.6	3.0	7.4	6.5	14
15		7.0	6.8	3.7	3.0	6.4	7.0	15
16		7.0	5.8	4.4	3.0	5.7	6.7	16
17		12.3	8.1	3.8	3.0	5.6	-	17
18		6.2	5.5	3.3	3.8	5.2	-	18
19		5.7	4.3	3.1	3.3	5.6	-	19
20		35.0	3.8	3.1	5.5	4.6	-	20
21		22.5	3.5	3.1	13.6	45.0		21
22		10.7	3.3	3.0	6.8	30.0		22
23		8.3	3.2	3.0	5.7	18.0		23
24		5.6	3.1	2.9	5.6	12.2		24
25		8.6	3.1	2.9	5.1	10.2		25
26	-	13.4	3.1	2.8	4.9	8.8		26
27	8.1	7.9	3.0	2.9	8.1	7.7		27
28	6.7	7.7	3.0	3.4	6.8	7.0		28
29	5.8	7.5	3.0	3.9	5.5	6.9		29
30	5.4	5.4	3.0	2.9	4.6	7.0		30
31	5.2		3.0	2.9		14.0		31

Station No. 02HA101

Location: At the bridge on Lakeshore Road, about
1.5 miles east of the City of St. Catharines

Gauge: Staff

Drainage Area: 3.9 square miles

Period of Record: August 1966 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 17	14.5	July 27	0.5		
		June 29	1.8	Aug. 25	0.3		

FAIRCHILD CREEK NEAR ST. GEORGE

Station No. 02GB101

Location: Approximately 1000 feet upstream of Brant
County Suburban Road 33, about 1 mile south
of the Police Village of St. George

Gauge: Staff

Drainage Area: 31.5 square miles

Period of Record: July 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 13	45.4	May 12	48.5	July 14	3.1		
		May 26	9.4	Aug. 5	3.6		
		May 31	4.9	Aug. 11	3.4		
		June 11	3.8	Aug. 16	12.6		
		June 18	2.9	Aug. 26	2.9		
		June 25	62.5				

FOX CREEK NEAR OIL CITY

35

Station No. 02GG102

Location: At the bridge on Side Road 12, Township of Enniskillen, about 1 mile southwest of the Community of Oil City

Gauge: None

Drainage Area: 20.7 square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 4	N.F.	July 8	N.F.	Oct. 25	0.4
		June 17	N.F.	July 28	N.F.		
				Aug. 5	N.F.		
				Aug. 20	N.F.		
				Aug. 26	N.F.		
				Sept. 2	N.F.		
				Sept. 21	1.3		

GAGE CREEK AT PORT HOPE

Station No. 02HD104

Location: At the bridge on Hwy. 2 about 1 mile east
of the Town of Port Hope

Gauge: Staff

Drainage Area: 16.7 square miles

Period of Record: August 1966 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 9	4.6	July 28	3.8		
				Aug. 25	1.5		
				Sept.21	5.0		

Station No. 02HD105

Location: At the concrete bridge on Mill Street,
about 0.5 mile south of Hwy. 401 in the
Village of Newcastle

Gauge: Staff

Drainage Area: 33.3 square miles

Period of Record: November 1965 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 11	9.6	July 30	21.5	Oct. 1	8.2
				Aug. 9	8.6		
				Aug. 17	6.3		
				Aug. 24	4.6		

HAGGERTY CREEK AT NEWBURY STATION

Station No. 02GG100

Location: At the bridge on Middlesex County Road
1 at Newbury Station about 1.5 miles
northwest of the Village of Newbury

Gauge: None

Drainage Area: 3.3 square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 4	8.3	July 8	5.5	Oct. 7	5.1
		June 17	1.7	July 28	1.0	Oct. 25	7.7
				Aug. 20	1.2		
				Aug. 26	0.5		
				Sept.2	0.3		
				Sept.21	2.2		

Station No. 02LB110

Location: At the bridge on Concession 2, Township of Winchester,
about 1 miles northeast of the Police Village of
Winchester Springs.

Gauge: On-stream recorder

Drainage Area: 27.2 square miles

Period of Record: May to September 1976

Remarks: Records good. Temporary on-stream recorder installed
May 28 to September 12, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		3.0	5.1	0.1	0.9			1
2		2.9	4.2	0.1	1.9			2
3		2.6	4.2	0.2	4.2			3
4		2.3	4.5	0.1	4.0			4
5		2.1	4.5	0.1	2.4			5
6		2.0	3.8	0.1	1.4			6
7		2.0	2.7	0.1	0.9			7
8		2.0	2.0	0.1	0.6			8
9		2.3	1.8	0.2	0.4			9
10		2.6	2.7	0.1	0.3			10
11		2.5	2.5	0.1	0.4			11
12		2.7	1.7	0.1	0.5			12
13		2.8	1.3	0.3	0.5			13
14		2.8	1.4	1.4	-			14
15		2.7	1.5	6.5	-			15
16		2.8	1.8	11.5				16
17		3.0	2.5	15.0				17
18		3.2	2.8	11.5				18
19		3.6	1.8	5.0				19
20		5.0	1.2	2.7				20
21		12.0	0.9	1.5				21
22		10.5	0.7	1.0				22
23		7.4	0.6	0.6				23
24		6.0	0.4	0.3				24
25		5.0	0.3	0.1				25
26	-	4.5	0.2	0.0				26
27	-	5.5	0.2	0.0				27
28	4.2	8.2	0.2	0.0				28
29	3.4	8.3	0.1	0.1				29
30	2.9	8.5	0.1	0.2				30
31	2.8		0.1	0.5				31

HILLMAN CREEK NEAR LEAMINGTON

Station No. 02GA104

Location: At the bridge on Side Road 15, Township of Mersea, about 2 miles east of the Town of Leamington

Gauge: Staff

Drainage Area: 12.0 square miles

Period of Record: March 1975 to December 1976

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 10	1.4	Apr. 22	2.3	July 5	1.1	Oct. 7	3.4
Feb. 13	100	Apr. 26	29.7	July 8	1.3	Oct. 21	1.1
Feb. 19	36.4	Apr. 29	7.8	July 12	3.8	Oct. 25	2.0
Mar. 9	10.7	May 3	4.5	July 15	1.0	Nov. 4	1.2
		May 6	3.5	July 19	0.7	Nov. 8	1.0
		May 10	6.6	July 22	1.1	Nov. 18	0.7
		May 17	5.0	July 29	0.7	Nov. 22	0.7
		May 20	2.9	Aug. 5	0.2	Dec. 6	0.6
		May 27	1.8	Aug. 9	0.5	Dec. 16	0.5
		May 31	2.8	Aug. 12	0.4	Dec. 20	1.9
		June 3	1.3	Aug. 16	0.4		
		June 7	0.8	Aug. 19	0.2		
		June 10	0.3	Aug. 26	0.2		
		June 14	0.3	Aug. 30	0.1		
		June 17	0.4	Sept. 2	0.2		
		June 24	0.7				
		June 28	2.2				

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Location: At the road bridge 1.5 miles north of the
Village of Port Stanley

Period of Record: July 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 8	43.4	Oct. 7	91.4
				Aug. 26	24.1	Nov. 5	63.8
				Sept. 8	13.3	Nov. 18	44.5

KIRBY CREEK NEAR CHESTERVILLE

Station No. 02LB108

Location: At the bridge on Hwy. 43, about 1 mile southeast of the Village of Chesterville.

Gauge: On-stream recorder

Drainage Area: 20.4 square miles

Period of Record: June to December 1976

Remarks: Records fair. Temporary on-stream recorder installed June 17 to November 8, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			5.3	0.9	2.8	4.4	24.0	1
2			5.0	0.7	9.2	3.9	17.3	2
3			6.4	0.5	5.8	3.4	14.9	3
4			8.3	0.3	4.1	3.0	13.4	4
5			6.3	0.2	3.3	2.7	13.1	5
6			4.6	0.2	2.7	2.5	12.0	6
7			3.6	0.1	2.3	2.4	10.7	7
8			3.2	0.2	2.0	2.3	10.2	8
9			3.2	0.4	1.8	2.9	-	9
10			-	0.4	1.9	30.0	-	10
11			-	0.3	2.6	18.0		11
12			-	0.3	2.7	13.0		12
13			-	4.0	2.4	10.0		13
14			-	10.8	4.3	7.3		14
15			-	8.1	2.2	6.8		15
16		3.6	-	14.2	1.7	6.2		16
17		5.6	-	9.8	1.5	6.2		17
18		5.3	-	6.6	1.6	6.2		18
19		4.6	-	4.7	1.5	5.8		19
20		8.7	3.2	3.7	3.2	5.8		20
21		10.6	3.3	3.0	7.6	28.0		21
22		9.1	3.0	2.4	6.2	22.0		22
23		7.8	2.2	1.9	5.8	18.0		23
24		6.4	1.8	1.4	6.5	15.1		24
25		6.1	1.3	1.1	5.4	14.2		25
26		6.8	1.0	1.0	4.1	13.7		26
27		9.8	0.9	0.9	13.0	12.3		27
28		8.9	0.8	0.8	12.3	11.4		28
29		6.7	0.7	1.1	8.2	10.9		29
30		5.6	0.8	1.5	5.8	10.3		30
31			0.9	1.1		16.6		31

LITTLE AUSABLE RIVER NEAR CENTRALIA

43

Station No. 02FF102

Location: At the bridge on Concession 5, Township of
Usborne, about 3 miles east of the Village
of Centralia

Gauge: Staff

Drainage Area: 26.6 square miles

Period of Record: March 1975 to December 1976

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 15	40.9	Apr. 15	9.7	July 9	3.3	Oct. 1	3.0
Feb. 20	300	Apr. 23	8.1	July 16	56.7	Oct. 8	4.5
Mar. 6	463	May 14	15.3	July 23	26.1	Oct. 15	2.4
Mar. 11	41.7	May 21	8.8	July 30	25.4	Oct. 22	10.3
Mar. 20	248	May 28	5.1	Aug. 6	4.2	Oct. 29	4.0
		June 4	5.6	Aug. 13	4.3	Oct. 29	4.0
		June 11	3.0	Aug. 20	11.1	Nov. 5	4.8
		June 18	1.6	Aug. 27	3.0	Nov. 19	30.9
		June 25	3.4	Sept. 3	1.4	Dec. 10	8.1
				Sept. 10	1.7	Dec. 17	8.5
				Sept. 20	5.9		
				Sept. 24	7.1		

LITTLE MILL CREEK NEAR NORTH BRUCE

Station No. 02FC103

Location: At the bridge on Side Road 10-11, Township of Bruce about 2 miles southeast of the Community of North Bruce

Gauge: Staff

Drainage Area: 16.9 square miles

Period of Record: May 1975 to December 1976

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 5	12.3	June 21	N.F.	July 12	N.F.	Oct. 7	3.1
Feb. 20	21.2			July 22	N.F.	Oct. 18	N.F.
Mar. 21	287			Aug. 26	N.F.	Oct. 21	0.3
Mar. 22	112			Sept.30	N.F.	Oct. 25	3.6
Mar. 23	52.1					Oct. 28	2.6
						Nov. 8	1.6
						Dec. 9	9.7
						Dec. 20	9.4

Location: At the culvert on Tollendale Road in
the Community of Minet Point

Remarks: Data prior to 1976 appears under the name "Painswick Creek" in the Summer Gauging Site Data section of previous bulletins in this series

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 6	24.2	July 20	6.4	Oct. 13	11.4
		May 20	13.9	Aug. 18	7.5		
		June 22	4.2	Sept.15	7.0		

Station No. 02FE102

Location: At the bridge on Huron County Road 30, 1.5 miles north of the Village of Fordwich

Gauge: Staff

Drainage Area: 21.8 square miles

Period of Record: April 1975 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 5	33.7	June 14	14.3	July 12	13.5	Oct. 4	9.2
Feb. 19	95.3	June 21	13.7	July 26	11.8	Oct. 14	13.4
Feb. 26	82.8			Aug. 17	10.1	Nov. 4	11.3
Mar. 21	743			Sept. 13	10.7	Nov. 28	10.7
Mar. 23	186			Sept. 30	10.5	Dec. 6	16.3
						Dec. 20	15.9

MAYHEW CREEK NEAR TRENTON

Station No. 02HK109

Location: At the bridge on Side Road 14-15, Township of Murray,
about 2.5 miles west of the Town of Trenton

Gauge: On-stream recording

Drainage Area: 4.7 square miles

Period of Record: July 1973 to October 1976

Remarks: Records good. Temporary on-stream recorder
installed June 15 to October 14, 1976

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			6.6	6.7	2.5	3.4		1
2			6.9	3.8	2.3	3.0		2
3			5.1	3.0	2.2	2.5		3
4			4.4	2.5	2.0	1.6		4
5			-	1.9	2.0	1.7		5
6				1.7	1.6	1.5		6
7				1.5	2.9	2.3		7
8				2.5	2.3	4.1		8
9				2.9	1.7	3.9		9
10				2.5	2.7	9.1		10
11				2.1	3.5	5.2		11
12				2.1	2.3	4.2		12
13				2.8	1.4	3.2		13
14				2.9	1.3	3.0		14
15		2.5		2.6	1.6	-		15
16		2.8		2.2	1.8			16
17		3.5		2.0	2.4			17
18		2.7		1.8	6.8			18
19		3.0		1.6	4.5			19
20		3.9		1.7	3.1			20
21		2.9	-	1.6	4.1			21
22		3.7	-	1.6	5.7			22
23		3.1	-	1.6	4.0			23
24		2.6	3.0	1.6	3.4			24
25		6.9	2.7	1.5	2.6			25
26		5.5	2.2	1.3	2.2			26
27		8.8	2.1	1.5	5.3			27
28		3.7	2.0	1.6	3.8			28
29		3.1	2.9	1.9	2.8			29
30		3.4	4.2	1.5	3.0			30
31			4.5	1.5				31

Location: At the bridge on Huron County Road 12, in the Village of Brussels

Drainage Area: 220 square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 5	66.8	Oct. 5	17.1
				July 19	12.7		
				Aug. 4	11.5		
				Aug. 23	7.9		

Location: At the bridge on Side Road 10-11, Township of East Nissouri, about 3.5 miles southwest of the Village of Embro

Gauge: Staff

Drainage Area: 12.5 square miles

Period of Record: March 1974 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 4	16.1	Apr. 14	6.2	July 9	2.3	Oct. 1	2.5
Feb. 11	15.8	Apr. 23	4.4	July 16	7.2	Oct. 8	7.2
Feb. 17	77.9	Apr. 30	11.5	July 30	15.9	Oct. 15	4.5
Mar. 5	830	May 7	99.5	Aug. 6	1.1	Oct. 22	10.4
Mar. 6	112	May 14	10.0	Aug. 13	2.4	Oct. 29	5.8
Mar. 20	156	May 21	5.2	Aug. 20	4.6	Nov. 5	5.9
		May 28	3.3	Aug. 27	2.0	Nov. 19	6.6
		June 4	2.6	Sept. 3	1.6	Dec. 10	9.3
		June 11	0.3	Sept.10	4.3	Dec. 17	9.1
		June 18	0.5	Sept.20	4.0		
		June 25	2.6	Sept.24	3.0		

Station No. 02EC113

Location: At the bridge on Queensville Side Road, about
2.5 miles north of the Police Village of Mount Albert

Gauge: On-stream recorder

Drainage Area: 24.3 square miles

Period of Record: July 1970 to December 1976

Remarks: Records fair. Temporary on-stream recorder
installed July 10 to November 15, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1				22.2	13.7	14.1	20.7	1
2				15.5	15.0	13.7	18.2	2
3				13.1	12.5	13.5	18.6	3
4				12.3	13.0	13.0	16.7	4
5				12.2	12.3	12.9	16.3	5
6			-	12.0	11.8	13.6	16.1	6
7			-	11.5	11.4	25.6	16.2	7
8			-	11.4	12.1	21.1	16.6	8
9			-	11.7	12.0	19.9	15.8	9
10			15.4	11.8	14.2	31.6	16.4	10
11			37.4	11.4	15.6	25.5	16.7	11
12			28.5	15.0	13.9	21.4	16.0	12
13			19.0	29.2	12.3	18.6	16.4	13
14			15.1	54.3	11.8	18.9	16.1	14
15			15.1	46.0	11.7	19.0	15.9	15
16			13.9	28.8	11.2	17.3		16
17			13.0	17.0	12.1	16.4		17
18			12.4	13.5	31.5	15.8		18
19			11.8	12.6	24.8	15.3		19
20			11.7	12.2	27.1	17.9		20
21			13.1	11.8	25.2	28.2		21
22			12.2	11.5	21.1	28.0		22
23			12.7	11.3	22.7	27.6		23
24			32.4	11.0	20.0	22.7		24
25			17.7	10.9	17.0	22.4		25
26			13.3	10.7	15.8	20.8		26
27			11.9	10.8	19.9	18.0		27
28			11.3	11.5	17.6	17.3		28
29			18.6	12.1	15.5	18.7		29
30			39.5	11.6	14.3	16.4		30
31			22.5	11.3		18.0		31

53

Location: At the bridge on Patterson Road, Township of West Lincoln, about 1.5 miles southeast of the Community of Smithville

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Feb. 20	52.4	May 13	11.0	July 27	N.F.	Dec. 21	2.3
Feb. 25	54.0	June 30	5.9				

NOTTAWASAGA RIVER TRIBUTARY NEAR RELESSEY

Station No. 02ED108

Location: At the county road at the west side of lot 20
Concession 8, Township of Mono, about 2 miles
east of the community of Relessey.

Gauge: On-stream recorder

Drainage Area: 0.3 square mile

Period of Record: July to October 1976

Remarks: Temporary on-stream recorder and 120 degree v-notch
weir installed July 12 to October 6, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1				-	0.56	0.47		1
2				-	0.41	0.47		2
3				0.41	0.41	0.47		3
4				0.44	0.44	0.47		4
5				-	0.41	0.47		5
6				-	0.39	0.47		6
7				-	0.39	-		7
8				-	0.39	-		8
9				0.47	0.39	-		9
10				0.44	0.53	-		10
11			-	0.41	0.44			11
12			0.44	0.53	0.41			12
13			0.44	0.77	0.39			13
14			0.41	0.50	0.39			14
15			0.41	0.66	0.41			15
16			0.41	0.44	0.44			16
17			0.41	0.41	2.20			17
18			0.39	0.41	0.63			18
19			0.36	-	0.53			19
20			0.36	-	-			20
21			0.53	-	-			21
22			0.41	-	0.59			22
23			0.41	-	0.63			23
24			0.39	0.53	0.56			24
25			0.36	0.41	0.53			25
26			0.36	-	0.59			26
27			0.39	-	0.56			27
28			0.39	-	0.53			28
29			0.39	-	0.53			29
30			1.30	0.39	0.50			30
31			-	0.39				31

Station No. 02FC108

Location: At the Otter Creek Conservation Area in the Village of Mildmay

Gauge: None

Drainage Area: 14.8 square miles

Period of Record: June to December 1975

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 29	39.1	Sept. 29	10.3		
		May 12	32.0	Oct. 25	15.4		
		June 9	18.5				

Station No. 02HD108

Location: At the old steel bridge below Victoria Street East,
in the Town of Whitby

Gauge: Staff

Drainage Area: 8.3 square miles

Period of Record: July 1966 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 7	9.8	Aug. 9	8.5		
				Aug. 17	8.6		
				Aug. 24	6.7		

57

Location: At the bridge on Barton Street in the City of Hamilton

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Jan. 30	23.9	May 4	10.5	July 14	2.0		
		June 11	3.1	Aug. 11	2.7		
		June 18	2.4	Aug. 16	4.5		

ROCKY SAUGEEN RIVER BELOW MARKDALE

Station No. 02FC100

Location: At the culvert on Side Road 100, Township of Glenelg about 0.3 mile southwest of the Village of Markdale.

Gauge: Staff

Drainage Area: 35.6 square miles

Period of Record: July 1967 to December 1976

Remarks: Records good

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 7	49.4	July 28	36.0	Oct. 13	30.8
				Aug. 18	43.0		

Station No. 02HK101

Location: About 200 feet upstream from the bridge on Blyth Road, approximately 1.5 miles southeast of the Village of Colborne

Gauge: Staff

Drainage Area: 3.5 square miles

Period of Record: November 1965 to December 1976

Remarks: Records fair

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 9	6.7	July 28	6.0		
				Aug. 25	4.8		
				Sept.21	8.0		

SAUBLE RIVER NEAR ALLENFORD

Station No. 02FA100

Location: At the side of Hwy. 21, about 0.3 mile west of the Police Village of Allenford

<u>Gauge:</u>	Measuring Point
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Drainage Area: 113 square miles

Period of Record: May 1968 to December 1976

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 29	72.6	Aug. 19	16.8	Oct. 26	58.9
		May 11	97.3	Sept. 28	28.8		
		June 8	25.7				
		June 29	32.7				

Station No. 02FA101

Location: At the bridge on the Main Street in the Village of Tara

Gauge: None

Drainage Area: 81 square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 29	47.7	Aug. 18	13.4	Oct. 13	17.4
		May 11	70.5	Sept. 28	22.2	Oct. 26	48.2
		June 8	24.1				
		June 29	29.3				

SHARPES CREEK NEAR BENMILLER

63

Station No. 02FE104

Location: At the bridge on Concession 5-6, Township of Colborne, about 2 miles north of the Community of Benmiller

Gauge: None

Drainage Area: 19.9 square miles

Period of Record: July 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 1	13.4	July 5	10.0	Oct. 5	3.1
		June 14	6.8	July 19	6.4		
				Aug. 4	6.3		
				Aug. 23	4.5		

Station No. 02LB105

Location: At the bridge on Ottawa-Carlton Regional Road 29,
in the Community of Kenmore.

Gauge: On-stream recorder

Drainage Area: 70.2 square miles

Period of Record: July to September 1976

Remarks: Records fair. Temporary on-stream recorder
installed July 1 to September 4, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			11.1	5.2	5.0			1
2			10.0	5.6	5.7			2
3			14.2	5.2	6.0			3
4			25.0	4.9	-			4
5			17.5	4.7	-			5
6			12.6	4.6				6
7			10.1	4.3				7
8			8.9	4.5				8
9			11.6	4.8				9
10			12.1	4.8				10
11			9.8	4.6				11
12			8.9	4.4				12
13			8.6	4.9				13
14			8.4	13.0				14
15			8.9	12.2				15
16			8.8	10.1				16
17			11.1	9.2				17
18			14.9	8.0				18
19			12.2	6.8				19
20			10.0	6.2				20
21			8.7	5.8				21
22			8.1	5.5				22
23			7.4	5.2				23
24			6.7	5.0				24
25			6.3	4.8				25
26			5.9	4.7				26
27			5.5	4.7				27
28			5.4	4.7				28
29			5.2	4.8				29
30			5.1	4.8				30
31			5.1	4.8				31

SOUTH INDIAN CREEK NEAR LIMOGES

Station No. 02LB109

Location: At the bridge on Russel County Road 5, about
2 miles northeast of the Community of Limoges.

Gauge: On-stream recorder

Drainage Area: 27.6 square miles

Period of Record: May to November 1976

Remarks: Records fair. Temporary on-stream recorder
installed May 27 to November 12, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		13.4	8.5		-	5.9	23.0	1
2		10.0	7.8		-	6.9	16.7	2
3		8.6	9.8		-	6.2	14.9	3
4		8.0	9.1		-	5.6	14.5	4
5		7.1	6.9		-	4.7	13.1	5
6		7.0	-		-	4.1	12.0	6
7		7.0	-		-	5.0	11.6	7
8		6.8	-		-	5.3	10.6	8
9		13.3	-		-	15.1	8.8	9
10		9.6	-		-	23.4	9.5	10
11		10.4	-		-	13.1	9.8	11
12		13.9	-		-	9.1	10.1	12
13		10.1	-		-	8.1	-	13
14		9.4	-		-	7.9	-	14
15		9.6	-		-	7.3	-	15
16		10.0	-		-	7.0		16
17		15.0	-		-	6.2		17
18		10.6	-		-	7.6		18
19		11.3	-		-	7.4		19
20		-	-		8.4	7.6		20
21		-	-		9.5	26.7		21
22		39.0	-		7.7	26.8		22
23		25.7	-		8.4	17.4		23
24		16.7	-		7.2	12.2		24
25		14.3	-		6.8	11.5		25
26	-	12.4	-		6.7	10.8		26
27	19.6	10.8	-		9.0	10.0		27
28	13.1	9.7	-		7.6	9.2		28
29	10.8	10.7	-		7.1	9.2		29
30	9.7	10.1	-		6.6	9.0		30
31	9.6		-			13.2		31

Station No. 02LB107

Location: At the bridge on Dundas County Road 3, in the Community of Inkerman.

Gauge: On-stream recorder

Drainage Area: 51.9 square miles

Period of Record: July to September 1976

Remarks: Records good. Temporary on-stream recorder installed June 1 to September 13, 1976.

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		30.0	9.9	7.9	4.7			1
2		25.6	8.6	33.6	5.1			2
3		19.0	8.5	21.8	6.5			3
4		14.1	7.0	12.7	6.1			4
5		12.4	7.1	9.7	5.8			5
6		11.3	7.6	8.0	6.0			6
7		10.4	7.1	6.7	7.1			7
8		9.9	6.3	6.3	6.0			8
9		11.7	5.9	5.9	5.7			9
10		12.3	5.3	6.3	5.5			10
11		9.1	5.0	6.0	6.0			11
12		9.0	4.5	5.4	6.9			12
13		8.6	5.8	5.3	8.1			13
14		7.7	8.9	6.5	-			14
15		7.5	10.5	21.4	-			15
16		8.3	11.1	63.5				16
17		7.6	14.8	80.0				17
18		6.8	23.6	56.0				18
19		6.2	18.8	40.4				19
20		6.7	12.6	29.8				20
21		6.4	9.3	21.4				21
22		9.2	8.0	14.0				22
23		8.4	6.6	10.9				23
24		7.3	5.6	8.6				24
25		6.8	4.9	7.3				25
26		6.3	4.5	6.4				26
27		7.0	4.2	5.6				27
28		11.3	4.0	5.1				28
29		18.0	3.9	4.9				29
30		13.6	4.1	4.3				30
31			4.9	4.0				31

SOUTH PINE RIVER NEAR RIPLEY

Station No. 02FD106

Location: At the bridge on Concession 5-6, Township of Huron,
about one mile southwest of the Village of Ripley

Gauge: None

Drainage Area: 11.8 square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 30	9.2	July 5	3.4	Oct. 5	<0.5
		May 18	23.0	July 19	<0.5	Oct. 19	1.1
				Aug. 4	0.7	Nov. 2	3.7
				Aug. 23	<0.5		

Station No. 02FC111

Location: At the bridge on Side Road 1, Township of Arthur,
about 0.6 mile southwest of the Town of Mount
Forest

Gauge:	Measuring Point
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
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87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Drainage Area: 140 square miles

Period of Record: May 1968 to December 1976

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 7	37.3	July 28	28.4	Oct. 12	41.0
		June 28	27.6	Aug. 18	70.9		
				Sept. 27	94.5		

Station No. 02FB104

Location: At the culvert on Hwys. 6 and 10, about 0.7 mile north of the Village of Chatsworth

Gauge: None

Drainage Area: 15.3 square miles

Period of Record: May 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 28	21.0	Aug. 18	10.3	Oct. 13	12.1
		May 10	23.0	Sept. 28	16.0		
		June 8	8.8				
		June 29	22.5				

SYDENHAM RIVER TRIBUTARY BELOW STRATHROY

Station No. 02GG104

Location: At the bridge on Middlesex County Road 2, about 1 mile west of the Hamlet of Cairngorm

Gauge: None

Drainage Area: 37 square miles

Period of Record: July 1968 to December 1976

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 4	15.8	July 8	17.2	Oct. 7	26.9
		June 17	9.6	July 28	18.0	Oct. 25	28.4
				Aug. 5	19.4		
				Aug. 20	16.2		
				Aug. 26	11.7		
				Sept. 2	9.1		
				Sept.21	26.2		

TAY RIVER AT PERTH

Station No. 02LA101

Location: At the bridge on Rogers Road in the
Town of Perth

Gauge: Staff

Drainage Area: 257 square miles

Period of Record: April 1971 to November 1975

[illegible]

Station No. 02FC104

Location: At the bridge on Hwy. 4 in the Village of Teeswater

Gauge: None

Drainage Area: 50 square miles

Period of Record: June 1975 to December 1976

1976							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 12	69.2	Sept. 29	20.8	Oct. 14	21.4
		June 9	29.6			Oct. 25	37.5

THAMES' RIVER NEAR TAVISTOCK

75

Station No. 02GD101

Location: Above the bridge on Hwy. 59, about 0.5 mile south of the Village of Tavistock.

Gauge: On-stream recorder

Drainage Area: 13.4 square miles

Period of Record: 1971, June to November 1976

Remarks: Temporary on-stream recorder installed June 25 to November 21, 1976

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			1.2	2.4	0.67	1.7	5.1	1
2			0.91	1.6	0.67	1.5	4.4	2
3			0.76	1.2	0.58	1.3	4.2	3
4			0.72	0.96	0.54	1.2	3.8	4
5			0.63	0.81	0.54	1.2	3.9	5
6			0.54	0.81	0.50	1.3	4.3	6
7			0.46	-	0.50	3.9	4.4	7
8			0.76	-	0.40	3.3	4.2	8
9			0.50	-	0.42	2.7	3.8	9
10			0.58	-	0.96	2.5	3.7	10
11			0.86	-	1.0	2.1	3.6	11
12			0.63	-	0.81	1.9	2.6	12
13			0.46	-	0.63	1.7	2.6	13
14			0.42	-	0.58	1.9	2.6	14
15			2.6	-	0.54	1.9	2.4	15
16			3.5	-	0.67	1.6	2.0	16
17			2.7	-	0.81	1.4	2.8	17
18			1.7	-	-	-	2.9	18
19			1.0	-	5.7	-	3.1	19
20			0.76	3.6	3.8	-	3.1	20
21			1.7	2.7	2.8	-	3.1	21
22			1.3	2.2	2.8	-	-	22
23			1.1	1.7	2.7	-	-	23
24			-	1.4	2.6	5.0	-	24
25		1.1	4.5	1.2	2.2	4.9	-	25
26		0.76	2.3	1.1	1.9	4.2		26
27		0.54	1.6	1.1	2.9	3.6		27
28		0.46	1.2	0.96	2.5	3.2		28
29		0.50	4.5	0.86	2.2	2.8		29
30		0.76	5.4	0.81	1.9	2.8		30
31			3.7	0.72		5.2		31

THAMES RIVER TRIBUTARY NEAR DORCHESTER

Station No. 02GD108

Location: At the bridge on Middlesex County Road 32, about
1 mile south of the Police Village of Dorchester

Gauge: On-stream recorder

Drainage Area: 7.1 square miles

Period of Record: July to November 1976

Remarks: Temporary on-stream recorder installed
July 7 to November 25, 1976

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			-	6.2	1.5	2.4	8.0	1
2			-	4.5	1.4	2.2	6.3	2
3			-	4.2	1.3	2.0	5.4	3
4			-	3.7	1.3	2.4	5.1	4
5			-	3.2	1.2	2.2	5.8	5
6			-	3.7	1.1	3.0	6.3	6
7			2.4	3.0	1.1	8.9	6.0	7
8			2.8	-	1.0	5.9	6.2	8
9			2.3	-	1.0	4.7	5.7	9
10			2.9	-	-	4.5	5.8	10
11			3.5	5.5	-	3.9	6.3	11
12			-	4.2	-	3.6	5.3	12
13			2.9	4.1	-	3.3	5.3	13
14			2.7	4.9	-	3.4	5.6	14
15			-	4.8	-	3.2	5.0	15
16			-	4.5	-	2.9	4.6	16
17			5.6	-	-	2.8	4.6	17
18			3.9	-	-	2.7	5.0	18
19			3.1	-	-	2.7	5.5	19
20			2.7	-	-	6.9	5.5	20
21			3.9	-	-	-	5.1	21
22			3.1	-	-	7.6	4.8	22
23			2.7	-	2.7	5.8	4.2	23
24			-	-	2.5	6.4	4.0	24
25			5.4	-	2.4	6.8	3.9	25
26			3.6	1.6	3.1	5.5	-	26
27			5.2	1.6	4.6	4.9	-	27
28			4.7	1.5	3.6	4.6	-	28
29			-	1.5	2.9	4.5	-	29
30			-	1.4	2.6	4.6	-	30
31			-	1.4		7.5		31

WHITE ASH CREEK NEAR THAMESVILLE

77

Station No. 02GE106

Location: Above the road culvert on Concession 1A, Township
of Howard, 0.5 mile south of the Village of
Thamesville

Gauge: On-stream recorder

Drainage Area: 32 square miles

Period of Record: 1972, July to November 1976

Remarks: Records fair. Temporary on-stream recorder
installed July 28 to November 25, 1976

Daily Discharge in Cubic Feet Per Second

1976								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1				-	3.7	-	-	1
2				-	3.6	-	-	2
3				-	3.5	-	10.8	3
4				9.2	3.5	-	11.2	4
5				8.4	3.4	-	10.4	5
6				-	3.3	5.3	10.1	6
7				-	3.3	10.4	9.3	7
8				-	3.2	10.0	8.1	8
9				-	3.6	8.4	7.6	9
10				-	7.1	9.1	7.5	10
11				8.8	-	8.3	7.4	11
12				8.1	-	7.3	6.8	12
13				8.0	-	6.6	6.5	13
14				8.1	-	6.0	6.3	14
15				-	-	5.6	6.3	15
16				-	-	5.2	6.3	16
17				-	-	5.1	5.9	17
18				7.3	-	5.0	6.3	18
19				5.2	-	4.9	6.3	19
20				5.0	-	6.4	6.2	20
21				4.8	-	8.8	6.3	21
22				4.6	-	9.9	5.8	22
23				4.3	-	8.3	5.3	23
24				4.1	-	-	5.2	24
25				4.0	-	-	5.1	25
26			-	3.9	-	-	-	26
27			-	4.0	-	9.6	-	27
28			7.0	3.9	-	8.4	-	28
29			-	4.0	-	8.0	-	29
30			-	3.7	-	7.9	-	30
31			-	3.7		-		31

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Ministry
of the
Environment

Water Resources
Bulletin 3-12
Surface water series

Hon. Harry C. Parrot, D.D.S., Minister
K. H. Sharpe, Deputy Minister

SELECTED STREAMFLOW DATA FOR ONTARIO 1977

WATER RESOURCES
BULLETIN 3-12
Surface water series

**SELECTED
STREAMFLOW
DATA FOR
ONTARIO
1977**

ISSN 0382-2915

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO

ONTARIO



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INTRODUCTION

This bulletin contains streamflow data collected during 1977 by personnel of the Ministry of the Environment.

The basic data were collected and compiled by the Water Resources Assessment Units of the Ministry's Regional Offices at London, Stoney Creek, Don Mills, Kingston and Sudbury.

This publication was prepared by personnel of the Hydrology and Monitoring Section of the Water Resources Branch, Ministry of the Environment, Toronto.

Enquiries concerning the data in this bulletin should be made to the following:

Hydrology and Monitoring Section
Water Resources Branch
135 St. Clair Avenue West
Toronto, Ontario M4V 1P5

Technical Support Section
London Regional Office
985 Adelaide Street South
London, Ontario N6E 1V3

Technical Support Section
Kingston Regional Office
133 Dalton Street
Kingston, Ontario K7L 4X6

Technical Support Section
Hamilton Regional Office
140 Centennial Parkway North
Stoney Creek, Ont. L8E 3H2

Technical Support Section
Toronto Regional Office
150 Ferrand Drive (Suite 700)
Don Mills, Ont. M3C 3C3

Technical Support Section
Sudbury Regional Office
469 Bouchard Street
Sudbury, Ontario P3E 2K8

Other Data Sources

Data collected by the Regional Offices on a daily basis throughout the year in Southern Ontario are not published in this bulletin. For convenience, these data are included in the Federal Government publication, "Surface Water Data - Ontario". That publication, which includes streamflow and water-level data for numerous rivers and lakes in the Province, is published annually by Water Survey of Canada. Enquiries should be made to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

DATA QUALITY

Many of the flows were determined by direct measurements; others are values calculated from a reading of water elevation and an empirically determined stage-discharge relationship. For stations where a stage-discharge relationship has been developed, the following terms are used to describe the quality of the records.

- Excellent: Records obtained at a site where an intensive discharge measurement program has produced a well-defined and stable stage-discharge relationship.
- Good: Records obtained from a site where an intensive discharge measurement program has produced a well-defined stage-discharge relationship which is not completely stable due to minor shifting of the stream bed or other channel properties which control water levels.
- Fair: Records obtained from a site where scarcity of discharge measurements has permitted only moderate definition of the stage-discharge relationship.
- Poor: Records obtained from a site where an unstable control, poor discharge measurement section or discharge measurements has resulted in a poorly defined stage - discharge relationship.

DEFINITION OF TERMS AND ABBREVIATIONS

"Cubic foot per second" (cfs) is the unit expressing the rate of streamflow discharge used in this bulletin.

"Acre-foot" (ac-ft) is the volume of water required to cover an area of one acre to a depth of one foot. It is equal to 43,560 cubic feet.

"WCP" Water Pollution Control Plant.

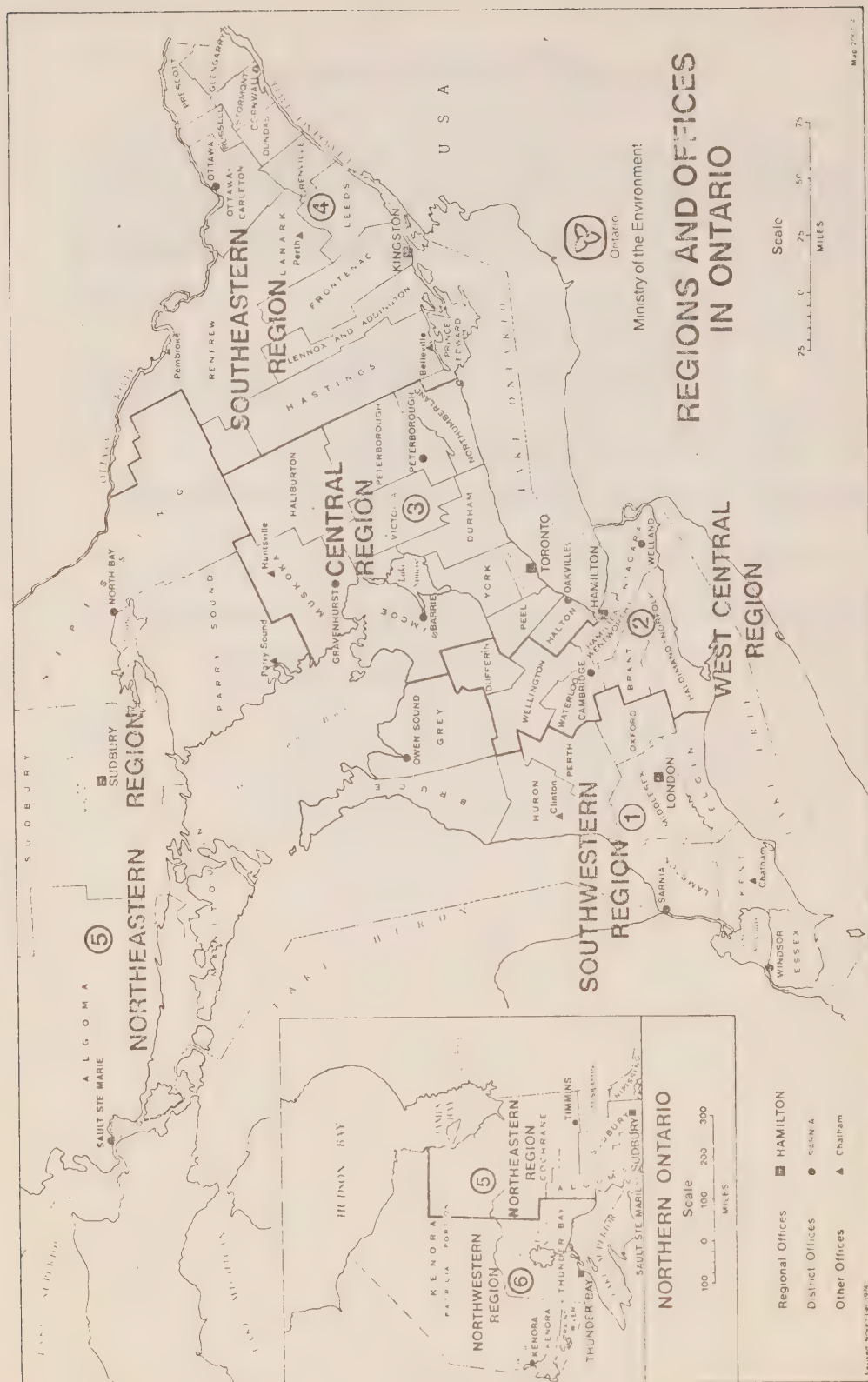
"No Flow" (N.F.) This notation indicates a field observation of either no streamflow, or a flow of less than 0.05 cfs.

1 cubic foot equals 6.232 Imperial gallons.

1 cubic foot per second equals 374 Imperial gallons per minute.

1 cubic foot per second for one day equals 1.984 acre-feet.

1 cubic foot per second equals 0.0283 cubic meters per second.



1

Location: At the culvert on Hwy. 6, about 0.7 mile north of the Community of Mar

Gauge: None

Drainage Area: 10.8 square miles

Period of Record: May 1976 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 24	4.5	July 20	0.5		
		June 8	1.1	Aug. 17	1.6		
		June 28	0.5	Aug. 30	1.3		
				Sept.13	0.8		

AUSABLE RIVER BELOW EXETER

Station No. 02FF103

Location: At the bridge on Hwy. 83 about 0.8 mile west of the junction with Hwy. 4 in the Town of Exeter

Gauge: None

Drainage Area: 42 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 30	3.5	July 6	2.7		
		June 13	6.2	Aug. 10	3.6		
				Aug. 24	1.9		
				Sept. 7	0.5		

AUSABLE RIVER TRIBUTARY NEAR HENSALL

(Hensall Creek)

Station No. 02FF105

Location: At the bridge on Hwy. 4, about 1.1 miles south of the Village of Hensall

Gauge: None

Drainage Area: 6.1 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 11	114	May 23	0.9	July 4	<0.5	Nov. 21	26.3
		May 30	<0.5	July 6	<0.5	Dec. 2	33.5
		June 7	3.6	July 7	<0.5		
			<0.5	July 19	<0.5		
				Aug. 10	<0.5		
				Aug. 24	<0.5		
				Sept. 7	<0.5		
				Sept. 30	4.3		

5

Location: At the bridge on Stephen Township Side Road 1, about 2 miles southeast of the Police Village of Crediton

Gauge: None

Drainage Area: 186 square miles

Period of Record: July 1968 to December 1977

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 30	7.5	July 6	7.6		
		June 13	9.1	Aug. 10	9.0		
				Aug. 24	4.4		
				Sept. 7	1.3		

BAXTER CREEK AT HIGHWAY 28

Station No. 02HJ102

Location: At the bridge on Hwy. 28, about 1 mile south of the Hamlet of Fraserville

Gauge: Measuring Point

Drainage Area: 28.9 square miles

Period of Record: April 1971 to November 1977

Remarks: Records fair. Daily gauge reader employed May to November 26, 1977.

Daily Discharge in Cubic Feet Per Second

1977								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1	7.7	12.2	25.5	13.8	14.6	22.5	15.7	1
2	13.0	11.6	17.6	13.0	15.4	20.9	13.4	2
3	16.8	15.0	17.9	14.2	15.7	19.4	14.2	3
4	15.7	17.2	18.3	16.8	15.0	18.7	15.0	4
5	14.2	17.6	17.2	18.7	12.5	16.8	16.1	5
6	12.5	16.1	24.6	20.6	11.9	15.7	17.2	6
7	10.3	15.7	19.1	16.8	12.5	14.2	20.9	7
8	13.4	16.8	18.7	16.5	12.2	18.7	22.9	8
9	12.2	17.2	16.5	16.1	12.7	17.6	21.7	9
10	15.4	17.6	18.7	16.8	11.9	17.2	22.5	10
11	19.4	16.8	18.7	20.6	11.6	16.1	21.7	11
12	22.9	17.2	20.9	18.7	12.2	15.4	20.9	12
13	22.8	16.8	20.2	17.2	13.0	16.8	19.8	13
14	22.1	17.6	18.3	15.7	13.8	18.7	19.1	14
15	24.6	13.0	16.8	17.6	15.0	17.9	20.2	15
16	19.4	12.7	14.6	19.1	16.8	18.7	20.6	16
17	16.1	17.6	13.0	12.5	15.0	19.4	21.3	17
18	12.2	22.5	13.4	14.6	13.4	19.8	22.5	18
19	9.0	20.2	14.2	16.8	14.2	19.1	23.4	19
20	7.7	19.8	13.8	18.7	20.6	17.9	22.9	20
21	12.2	20.9	13.4	22.6	19.1	16.8	22.1	21
22	9.0	18.7	14.2	22.5	18.3	15.4	22.5	22
23	12.7	19.1	13.0	16.1	16.7	15.7	20.9	23
24	12.2	18.7	13.8	17.6	15.7	15.0	22.1	24
25	10.3	19.8	15.0	16.1	14.6	15.4	21.3	25
26	10.5	21.3	15.7	13.8	15.0	16.1	21.7	26
27	10.8	27.2	13.8	12.7	16.1	15.0	-	27
28	11.6	30.9	13.4	13.4	15.0	15.7	-	28
29	13.8	25.0	14.2	14.2	17.2	16.5	-	29
30	12.2	24.6	13.8	13.0	18.8	16.8	-	30
31	10.5		15.0	12.5		17.6		31

Station No. 02HJ104

Location: Upstream of township road bridge at Lot 10, Concession 4, Twp. of Caven, about 1 mile southeast of the Town of Millbrook
Gauge: Measuring Point
Drainage Area: 11.8 square miles
Period of Record: May to November 1977
Remarks: Records good, temporary onstream recorder installed May 14 to November 30, 1977

Daily Discharge in Cubic Feet Per Second

1977								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		12.3	11.0	13.1	10.2	22.1	10.7	1
2		10.7	10.4	10.3	11.8	14.8	10.6	2
3		10.0	10.0	10.0	10.5	13.3	10.6	3
4		9.7	9.9	9.9	10.1	11.9	10.6	4
5		9.7	9.6	12.3	10.1	11.3	10.4	5
6		9.6	10.8	12.7	9.9	11.3	10.8	6
7		9.4E	10.6	10.5	10.1	11.0	22.1	7
8		9.9E	10.6	10.1	10.1	19.0	25.3	8
9		10.1E	10.2	10.1	9.9	24.4	12.1	9
10		10.0E	10.1	11.5	10.2	14.0	21.7	10
11	-	10.1E	10.1	11.8	9.8	13.0	15.4	11
12	-	9.8E	10.4	10.4	9.8	12.8	13.3	12
13	-	10.1E	10.2	9.8	12.0	12.1	12.6	13
14	10.4	9.4E	10.1	10.0	12.5	11.7	12.2	14
15	10.4	9.2E	10.3	9.6	9.9	11.4	12.7	15
16	10.4	10.2E	10.3	30.0	15.4	12.5	17.2	16
17	10.8	10.5	10.2	17.6	12.7	11.3	23.9	17
18	11.6	12.3	10.2	10.6	11.0	11.1	16.9	18
19	10.8	10.4	10.5	10.2	11.0	11.3	15.6	19
20	10.3	9.7	10.2	10.6	14.8	11.3	13.8	20
21	10.1	9.6	10.0	10.5	12.3	11.4	15.3	21
22	9.9	9.4	10.0	15.4	11.4	11.2	13.3	22
23	10.0	10.3E	10.0	10.9	11.2	11.1	14.5	23
24	10.0	12.0E	10.0	13.1	11.0	11.1	17.2	24
25	10.0	13.2	10.2	10.9	21.2	11.1	14.9	25
26	9.7	10.2	10.0	10.5	17.3	11.0	18.4	26
27	9.5	9.4	10.0	10.4	12.8	11.0	11.1	27
28	9.9	9.3	10.1	10.2	11.8	11.0	11.6	28
29	9.7	13.6	10.1	9.8	11.5	11.0	12.7	29
30	9.4	10.6	10.6	9.8	11.3	10.9	13.0	30
31	9.3		12.3	9.9		10.8		31

BEAR CREEK NEAR WARWICH

Station No. 02GG103

Location: At the conservation area downstream of
the Community of Warwick

Gauge: None

Drainage Area: 34 square miles

Period of Record: May 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 11	10.2		
				July 18	3.0		
				Aug. 23	0.5		
				Sept. 6	0.7		

9

Location: At the bridge on Side Road 5, Township of Bentinck, about 2 miles southeast of the Town of Hanover

Gauge:	Measuring Point
--------	-----------------

Drainage Area: 93 square miles

Period of Record: May 1968 to December 1977

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 23	5.0	July 20	37.4	Nov. 3	90.0
		June 8	51.1	Aug. 30	78.2		
		June 28	39.6	Sept.14	72.0		

Station No. 02GC114

Location: At the first township road bridge about .4 mile upstream of the confluence with Kettle Creek, about 4 miles north of the Village of Port Stanley.

Gauge: None

Drainage Area: 8.8 square miles

Period of Record: May 1978 to September 1978

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 10	6.2	July 5	3.4		
		June 20	4.2	Aug. 12	23.5		
				Sept.15	6.2		

Station No. 02HB106

Location: At the bridge on Concession 4, Township
of Esquesing about 1.5 miles southeast of
the Town of Acton
Gauge: On-stream recorder
Drainage Area: 10.0 square miles
Period of Record: April 1966 to November 30, 1977
Remarks: Temporary on-stream recorder installed June 1 to
November 30, 1977. Discharge affected by regulation

Daily Discharge in Cubic Feet Per Second

1977								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		6.3	4.6	6.3	6.3	19.9	7.4	1
2		6.4	3.9	4.6	6.4	31.4	7.5	2
3		5.5	3.8	4.8	6.0	24.7	7.7	3
4		5.0	4.0	4.9	5.7	15.4	7.9	4
5		4.8	4.3	6.3	5.4	8.1	8.0	5
6		6.3	6.4	12.3	5.5	8.6	7.7	6
7		6.3	7.1	6.0	5.6	8.7	12.0	7
8		5.8	7.2	8.3	5.4	11.9	30.9	8
9		5.4	6.2	8.6	5.5	29.3	33.6	9
10		5.1	5.3	8.5	6.0	30.5	27.5	10
11		4.5	5.3	7.3	4.9	23.4	26.7	11
12		4.0	5.5	6.4	4.7	19.7	21.7	12
13		4.2	5.1	5.6	8.1	16.3	17.0	13
14		4.3	4.6	5.9	7.8	14.5	14.0	14
15		4.3	4.6	5.5	6.4	13.2	14.2	15
16		4.3	4.9	7.3	8.5	14.4	15.2	16
17		5.2	4.4	10.6	8.8	12.6	10.1	17
18		8.0	4.3	8.0	9.9	11.0	11.7	18
19		5.0	4.4	6.6	10.1	11.3	13.3	19
20		4.4	4.3	5.9	11.2	10.8	13.6	20
21		4.3	3.9	5.7	10.8	10.4	16.7	21
22		4.2	3.8	12.9	9.7	9.8	15.6	22
23		4.0	3.8	8.7	9.0	9.1	14.5	23
24		4.0	3.9	9.0	18.8	8.8	17.9	24
25		6.7	4.0	7.7	49.7	7.3	16.4	25
26		4.9	3.8	7.0	49.4	6.9	15.4	26
27		4.7	3.5	6.6	43.4	7.7	12.4	27
28		5.6	3.4	6.2	28.5	6.8	11.9	28
29		7.8	3.7	6.2	20.4	6.3	11.0	29
30		5.6	4.0	6.5	15.0	6.5	10.9	30
31			5.4	6.0		7.0		31

BLACK CREEK NEAR OIL SPRINGS

Station No. 02GG101

Location: At the bridge on Enniskillen Twp. Road 12,
about 1.1 miles west of the Village of
Oil Springs

Gauge: None

Drainage Area: 32 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 11	3.6		
				July 18	0.2		
				Aug. 23	Nil		
				Sept. 6	Nil		

13

Location: At the bridge on Side Road 39-40,
Township of East Wawanosh, about 1.5 miles
northwest of the Village of Blyth

Drainage Area: 19.5 square miles

Period of Record: July 1975 to December 1977

Remarks: Records fair

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 31	2.8	Aug. 11	14.6	Nov. 1	11.7
		June 14	2.8	Sept. 8	9.1		

BOYNE RIVER AT FLESHERTON

Station No. 02FB103

Location: At the bridge on Hwy. 10 in the Village of Flesherton

Gauge: On-stream recorder

Drainage Area: 9.9 square miles

Period of Record: June 1975 to November 1977

Remarks: Temporary on-stream recorder and weir installed June 23 to November 15, 1977.

Daily Discharge in Cubic Feet Per Second

1977								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			6.3	4.2	6.8		6.4	1
2			5.9	4.2	7.1		6.2	2
3			6.1	3.6	6.6		6.8	3
4			6.2	3.7	6.2		6.4	4
5			5.7	5.1	6.3		6.1	5
6			-	6.4	5.5		6.4	6
7			9.5	5.1	5.7		6.5	7
8			9.7	5.4	5.7		6.9	8
9			8.0	5.4	5.5		6.6	9
10			6.5	7.3	5.5		8.5	10
11			5.8	5.8	5.4	-	9.6	11
12			6.4	5.4	5.4	-	10.3	12
13			6.1	5.2	5.6	-	10.0	13
14			5.2	-	5.4	-	9.9	14
15			5.2	-	5.1	10.4	10.1	15
16			5.0	-	5.6	-		16
17			5.2	-	5.6	-		17
18			5.0	-	5.5	-		18
19			7.0	8.5	5.2	11.1		19
20			6.3	10.0	5.8	10.7		20
21		-	5.5	8.3	5.9	10.3		21
22		-	5.0	9.2	5.8	9.9		22
23		4.5	4.5	6.8	5.5	9.7		23
24		4.5	4.5	6.9	5.6	9.1		24
25		7.1	4.6	6.6	8.8	8.7		25
26		5.7	3.9	6.1	10.0	7.8		26
27		5.6	3.7	5.8	10.4	7.3		27
28		4.8	3.6	5.6	10.5	7.0		28
29		5.9	3.8	5.7	10.7	6.9		29
30		6.3	3.7	5.6	11.4	7.0		30
31			3.9	5.9		6.6		31

17

Location: At the bridge on Hwy. 3, about 0.5 mile east of the Community of Orwell

Drainage Area: 52 square miles

Period of Record: May 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 10	37.5	July 5	5.2	Oct. 21	26.3
		June 20	5.9	Aug. 18	5.1		

19

Location: At the bridge in the Hamlet of Lakeport on
the road leading to the Village of Colborne

Drainage Area: 17.0 square miles

Period of Record: July 1966 to December 1977

Remarks: Records good

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 30	44.0	May 17	12.4	July 21	4.9		
		June 8	6.9				
		June 22	6.6				

DRAG RIVER AT HALIBURTON

Station No. 02HF100

Location: At the railway bridge in the Community
of Haliburton just west of Hwy. 519

Gauge: Staff

Period of Record: May to September 1977

Remarks: Records good

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 25	78.9	July 7	31.0		
		May 26	80.5	July 8	32.8		
		June 2	72.9	July 14	28.3		
		June 3	70.7	July 15	27.2		
		June 16	37.1	Aug. 4	39.8		
		June 17	42.4	Aug. 11	33.9		
		June 23	24.5	Aug. 12	34.9		
		June 24	23.4	Aug. 17	37.6		
		June 29	60.2	Aug. 18	36.4		
		June 30	41.2	Sept. 7	43.0		

21

Location:

At the bridge on the Queen Elizabeth
Way, above the WPCP in the Town of
Grimsby

Gauge:

Staff

Drainage Area:

22.1 square miles

Period of Record:

September 1966 to December 1975
April to August 1977

Remarks :

Records fair

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 26	46.9	July 26	1.2		
		May 11	2.0	Aug. 15	0.5		
		June 3	3.2				
		June 22	1.9				

FOX CREEK NEAR OIL CITY

Station No. 02GG102

Location: At the bridge on Side Road 12,
Township of Enniskillen, about 1 mile
southwest of the Community of Oil City

Gauge: None

Drainage Area: 20.7 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 11	<0.5		
				July 18	<0.5		
				Aug. 23	<0.5		
				Sept. 6	<0.5		

GANATESKIAGON RIVER

Station No. 02HC117

Location: At the first bridge on Durham Regional Road
Number 4 west of Brock Road about 2.5 miles
north of the Town of Pickering

Gauge: Staff

Drainage Area: 3.5 square miles

Period of Records: January to December 1977

Daily Discharge in Cubic Feet Per Second

1977													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1	-	.8	1.6	2.2	-	1.5	-	-	0.9	-	1.4	-	1
2	-	.9	1.5	-	2.2	1.3	-	1.0	1.2	-	-	19.5	2
3	-	-	1.5	-	2.1	1.2	-	1.0	-	4.5	-	-	3
4	0.9	-	2.1	7.2	1.8	-	1.0	0.9	-	1.4	1.6	-	4
5	0.9	-	36.5	17.8	1.7	1.3	1.0	1.3	-	2.1	-	8.3	5
6	0.9	-	10.8	4.9	2.2	1.2	1.3	-	0.9	2.1	-	7.4	6
7	0.9	-	10.8	6.1	-	1.2	1.2	-	0.9	2.1	2.2	7.4	7
8	0.9	-	13.6	-	-	1.2	1.2	1.0	1.0	-	34.6	7.4	8
9	0.9	0.8	71.0	-	2.1	1.1	-	1.0	0.9	20.4	16.6	7.7	9
10	-	-	43.5	-	2.1	1.1	-	1.0	-	6.2	20.4	-	10
11	0.9	0.9	-	-	2.1	-	1.0	1.0	-	4.0	-	-	11
12	-	-	-	2.1	1.8	-	1.0	0.9	-	3.0	-	8.9	12
13	-	1.1	53.7	2.2	1.5	1.1	0.9	-	0.9	3.0	-	8.9	13
14	0.8	1.3	32.0	2.9	-	1.1	0.9	-	1.0	2.2	-	21.8	14
15	-	1.2	7.4	2.8	-	1.1	1.0	1.0	1.0	-	2.7	-	15
16	-	1.2	4.9	-	1.5	1.0	-	1.0	1.2	-	3.0	-	16
17	0.8	1.1	1.5	-	1.5	1.2	-	1.0	-	-	18.7	-	17
18	-	-	1.5	-	1.4	-	1.0	1.0	-	2.2	14.6	-	18
19	-	-	-	1.5	1.4	-	1.0	0.9	-	2.2	-	14.2	19
20	0.8	-	-	1.5	1.4	1.1	1.0	-	0.9	2.1	-	9.3	20
21	0.8	-	2.2	1.5	-	1.2	1.0	-	1.2	2.1	-	18.3	21
22	-	0.9	2.1	4.3	-	1.0	1.0	1.0	0.9	-	8.0	14.2	22
23	-	0.9	2.2	9.5	-	1.0	-	0.9	1.0	-	3.0	12.6	23
24	0.8	0.9	-	-	1.3	1.0	-	1.1	-	1.8	14.4	-	24
25	0.8	1.0	1.1	5.2	1.3	-	0.9	1.0	3.1	1.8	13.4	-	25
26	0.8	1.5	-	3.0	1.3	-	0.9	1.0	7.4	1.8	-	-	26
27	0.8	1.5	1.5	1.5	1.3	0.9	0.9	-	-	1.6	-	-	27
28	0.8	1.5	2.2	1.5	-	1.0	0.9	-	1.5	1.5	14.6	8.0	28
29	-	-	6.1	1.3	-	1.5	0.9	0.9	1.4	-	15.0	8.0	29
30	-	-	6.0	-	1.2	1.1	-	0.9	1.2	-	-	-	30
31	-	-	-	-	1.1	-	-	0.9	-	1.4	-	-	31

25

Location: At the concrete bridge on Mill Street
about 0.5 mile south of Hwy. 401 in the
Village of Newcastle

Gauge: Staff

Drainage Area: 33.3 square miles

Period of Record: November 1965 to December 1977

Remarks: Records good

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 29	118	May 16	8.0	July 20	3.2		
		June 21	8.0				

HAGGERTY CREEK AT NEWBURY STATION

Station No. 02GG100

Location: At the bridge on Middlesex County Road 1 at Newbury Station about 1.5 miles northwest of the Village of Newbury

Gauge: None

Drainage Area: 3.3 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 11	1.1		
				July 18	2.2		
				Aug. 23	0.1		
				Sept. 6	0.1		

Location: At the bridge on Bloor Street East
in the City of Oshawa

Drainage Area: 14.8 square miles

Period of Record: April 1967 to December 1974
March to June 1977

Remarks: Records fair

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 29	32.1	June 8	2.6				
		June 20	0.6				
		June 21	5.0				

29

Location: At the culvert on Tollendale Road in
the Community of Minnet Point

Gauge: Measuring Point

Drainage Area: 23.6 square miles

Period of Record: May 1968 to December 1977

Remarks: Data prior to 1976 appears under the name "Painswick Creek" in the Summer Gauging Site Data section of previous bulletins in this series.

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Mar. 26	16.2	May 17	6.7	July 26	4.0	Nov. 3	11.2
		June 21	5.2	Aug. 30	6.3		

MIDDLE MAITLAND RIVER AT BRUSSELS

Station No. 02FE103

Location: At the bridge on Huron County Road 12,
in the Village of Brussels

Gauge: None

Drainage Area: 220 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 31	7.6	Aug. 11	48.4	Nov. 2	64.9
		June 14	10.9	Aug. 25	65.3		
				Sept. 8	25.3		

Station No. 02EC104

Location: At the bridge on Queensville Side Road, about
2.5 miles north of the Community of Mount Albert

Gauge: On-stream recorder

Drainage Area: 24.3 square miles

Period of Record: July 1970 to December 1977

Remarks: Records fair. Temporary on-stream recorder installed
April 1 to November 30, 1977

Daily Discharge in Cubic Feet Per Second

1977									
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1	23.3	14.0	11.6	9.7	9.8	12.9	25.3	13.6	1
2	20.7	15.5	11.1	9.0	10.6	15.0	48.5	13.2	2
3	24.9	15.2	10.7	8.3	10.1	17.9	36.4	13.2	3
4	21.4	14.1	10.3	8.2	9.6	16.0	24.2	14.2	4
5	22.9	13.6	9.5	8.2	15.7	14.1	18.5	14.6	5
6	20.5	13.5	9.2	9.1	20.4	13.4	16.7	13.9	6
7	17.2	12.9	8.8	10.7	16.5	12.4	15.7	15.1	7
8	16.5	12.6	8.9	11.6	13.3	12.5	14.5	28.2	8
9	15.9	12.6	8.1	11.5	13.2	12.7	43.1	21.7	9
10	16.4	12.3	7.8	11.5	14.2	12.3	47.0	22.6	10
11	17.4	12.3	7.2	11.0	19.1	13.5	29.8	34.6	11
12	17.9	12.0	7.6	10.1	13.8	13.4	22.6	24.2	12
13	18.7	11.9	7.8	9.4	11.7	-	19.4	18.4	13
14	19.0	11.6	7.8	9.9	12.3	-	17.6	16.2	14
15	17.2	11.9	7.5	9.1	12.2	-	16.8	15.8	15
16	16.3	11.0	7.5	9.5	19.2		21.2	18.0	16
17	16.1	10.8	8.1	10.3	102.0		19.8	22.1	17
18	15.7	10.8	8.1	11.8	73.2		17.9	23.2	18
19	15.7	11.7	9.9	11.0	33.2		19.9	23.9	19
20	15.9	11.2	10.2	10.3	20.0		18.1	19.4	20
21	16.4	10.5	12.7	10.0	16.2		17.4	19.9	21
22	18.1	10.2	10.0	9.9	21.4		16.7	18.4	22
23	21.2	9.9	9.1	10.0	19.2		15.6	17.1	23
24	19.1	11.3	8.5	10.0	18.8		15.9	22.9	24
25	18.8	17.9	10.2	10.1	18.7		15.8	20.4	25
26	17.8	12.6	9.7	10.1	15.9	-	16.0	22.7	26
27	16.5	10.8	8.9	10.2	14.2	-	14.8	19.9	27
28	16.2	10.0	8.5	9.7	13.8	-	14.2	19.7	28
29	14.9	9.3	10.1	10.9	13.3	-	13.8	19.6	29
30	14.2	8.9	10.1	8.9	13.3	15.9	13.7	19.6	30
31		9.3		9.1	13.4		13.4		31

NANTICOKE CREEK NEAR JARVIS

Station No. 02GG113

Location: At the bridge on Haldimand-Norfolk
Regional Road 69, about 1 mile west of the
Community of Jarvis.

Gauge: Measuring Point

Drainage Area: 57.8 square miles

Period of Record: May to July 1977

Remarks: Records fair

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 6	21.3	July 13	8.1		
		May 9	19.8				
		May 30	5.7				
		June 1	4.8				
		June 2	16.2				
		June 3	13.4				
		June 6	12.2				
		June 7	14.0				
		June 28	5.0				

Station No. 02EB115

Location: About 300 yards north off the side of Hwy.
60 approximately 3.1 miles east of the
junction of Hwy. 60 and Muskoka Road 3 near
the Town of Huntsville

Gauge: Staff

Drainage Area: 1 square mile

Period of Record: October to December 1977

Remarks: Records good

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
						Oct.28	0.10
						Oct.31	0.32
						Nov. 1	0.28
						Nov. 2	0.39
						Nov. 3	0.94
						Nov. 4	2.3
						Nov. 7	1.4
						Nov. 9	2.5
						Nov.10	2.5
						Nov.14	1.1
						Nov.16	2.1
						Nov.24	2.0
						Nov.30	1.3
						Dec.12	1.5

39

Location: At the bridge on Barton Street in the
City of Hamilton

Gauge: . Staff

Drainage Area: 20.4 square miles

Period of Record: May 1968 to December 1977

Remarks: Records fair

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 2	4.1	July 11	22.4		
		June 12	2.5	Aug. 9	8.3		
				Aug. 25	2.5		

41

Station No. 02GK101

Remarks: Records good

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 17	5.8	July 21	3.6		
		June 22	4.8				

SAUBLE RIVER NEAR ALLENFORD

Station No. 02FA100

Location: At the side of Hwy. 21, about 0.3 miles west of the Police Village of Allenford

Gauge: Measuring Point

Drainage Area: 113 square miles

Period of Record: May 1968 to December 1977

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 24	28.0	July 20	15.7	Nov. 3	59.6
		June 7	23.0	Aug. 17	38.5		
		June 28	16.5	Aug. 30	24.0		
				Sept.13	20.0		

Station No.02FA101

Location: At the bridge on the Main Street in the Village of Tara

Gauge: None

Drainage Area: 81 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 24	22.3	July 20	13.7	Nov. 3	41.7
		June 8	19.4	Aug. 17	24.7		
		June 28	15.0	Aug. 30	17.8		
				Sept.13	16.4		

SAUGEEN RIVER NEAR PRICEVILLE

Station No. 02FC110

Location: At the bridge on Concession 2, Township of Glenelg, about 1.5 miles southeast of the Police Village of Priceville

Gauge: Measuring Point

Drainage Area: 89 square miles

Period of Record: May 1968 to December 1977

Remarks: Data prior to 1975 appears in the Summer Gauging Site Data section of previous bulletins in this series

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 25	9.5	July 21	7.4		
		June 9	5.5	Aug. 29	43.0		
		June 29	10.2	Sept.12	22.2		

45

Location: At the bridge on Concession 5-6, Township of Colborne, about 2 miles north of the Community of Benmiller

Drainage Area: 19.9 square miles

Period of Record: July 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 31	5.2	July 6	4.8	Nov. 1	15.2
		June 13	5.3	Aug. 10	10.2		

SOUTH PINE RIVER NEAR RIPLEY

Station No. 02FD106

Location: At the bridge on Concession 5-6, Township of Huron, about one mile southwest of the Village of Ripley

Gauge: None

Drainage Area: 11.8 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 31	0.3	July 7	<0.5	Nov. 2	3.5
		June 14	<0.5	Aug. 11	<0.5		
				Aug. 25	5.9		
				Sept. 8	1.8		

Location: At the bridge on Grey County Road 16
about 0.5 miles east of the Village of
Neustadt

Drainage Area: 238 square miles

Period of Record: July to December 1975
May to November 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 25	60.4	July 21	47.4	Nov. 3	157
		June 9	50.1	Sept.12	78.3		

Station No. 02GD105

Location: At the bridge on Concession 6, Township of Blandford, about 0.5 mile southeast of the Police Village of Innerkip

Gauge:	Measuring Point
--------	-----------------

Drainage Area: 62.0 square miles

Period of Record: June 1972 to December 1977

Remarks: Records good

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 11	21.9	July 4	11.6		
		June 1	7.7	Aug. 9	6.3		
				Aug. 19	12.1		
				Aug. 26	9.9		

Station No. 02FB104

Location: At the culvert on Hwys. 6 and 10, about
0.7 mile north of the Village of Chatsworth

Gauge: None

Drainage Area: 15.3 square miles

Period of Record: May 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 23	7.7	July 20	4.8	Nov. 4	31.5
		June 8	6.9	Aug. 30	12.0		
		June 28	4.6	Sept.13	6.1		

Station No. 02FC104

Location: At the bridge on Hwy. 4 in the Village
of Teeswater

Gauge: None

Drainage Area: 50 square miles

Period of Record: June 1975 to December 1977

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 23	28.3	July 19	10.2	Nov. 2	42.2
		June 7	25.9	Aug. 31	28.7		
		June 27	28.4	Sept. 14	28.9		

THAMES RIVER TRIBUTARY NEAR DORCHESTER

Station No. 02GD108

Location: At the bridge on Middlesex County Road 32, about
1 miles south of the Police Village of Dorchester

Gauge: On-stream recorder

Drainage Area: 7.1 square miles

Period of Record: July 76 to November 1977

Remarks: Temporary on-stream recorder installed
June 25 to November 9 1977

Daily Discharge in Cubic Feet Per Second

1977								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			1.0	0.5	0.8	-	4.0	1
2			0.6	0.4	0.8	-	4.1	2
3			0.6	0.4	1.4	-	4.4	3
4			0.8	0.2	1.0	-	4.8	4
5			0.8	0.4	0.9	7.6	4.5	5
6			0.8	0.5	0.8	6.1	4.2	6
7			2.6	0.6	0.7	6.1	5.9	7
8			2.4	0.9	0.7	-	7.1	8
9			1.5	0.8	0.7	-	0.8	9
10			1.9	1.2	0.7	-	-	10
11			1.5	1.2	0.6	-		11
12			1.2	1.2	0.6	-		12
13			0.9	0.9	1.6	-		13
14			0.8	0.8	-	-		14
15			1.3	0.8	2.2	7.8		15
16			4.4	1.2	3.8	7.1		16
17			2.1	1.6	4.1	6.6		17
18			1.5	0.9	-	5.7		18
19			1.5	0.8	-	5.9		19
20			1.4	0.7	-	5.7		20
21			1.1	0.9	-	5.4		21
22			1.0	1.0	-	5.4		22
23			0.8	0.9	6.5	5.4		23
24			0.8	1.0	-	4.9		24
25		0.5	-	0.8	-	4.8		25
26		0.5	-	0.8		4.6		26
27		0.4	-	0.7		4.6		27
28		0.5	-	0.6		4.8		28
29		1.2	0.5	0.8		4.5		29
30		0.9	0.3	0.8		4.4		30
31			0.5	0.8		4.1		31

Location: At the bridge on 1st Street Louth, in
the Community of Denew Falls

Gauge:	Measuring Point
--------	-----------------

Drainage Area: 18.8 square miles

Period of Record: May 1969 to December 1975
April to August 1977

Remarks: Records fair

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 26	26.3	July 26	5.4		
		May 11	7.2	Aug. 30	6.2		
		June 3	5.8				
		June 22					

Station No. 02HA106

Location: At the bridge on Canborough Street in
the Community of Smithville

<u>Gauge:</u>	Measuring Point
---------------	-----------------

Drainage Area: 69.5 square miles

Period of Record: May 1969 to December 1975
April to August 1977

Remarks: Records fair

1977							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		Apr. 26	164	July 26	0.8		
		May 11	2.4	Aug. 30	<0.10		
		June 3	1.9				
		June 22	0.46				

Station No. 02HC116

Location: At the first bridge east of Brock Road on
Durham Regional Road Number 4 about 2.5
miles north of the Town of Pickering

Gauge: Staff

Drainage Area: 4.1 square miles

Period of Record: January to December 1977

Remarks: Records good

Daily Discharge in Cubic Feet Per Second

1977													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1	-	0.3	3.1	3.0	-	1.2	-	-	1.0	-	1.4	-	1
2	-	0.3	-	-	2.7	0.7	-	1.2	1.2	-	-	7.2	2
3	-	-	-	-	2.6	0.4	-	1.2	-	5.7	-	-	3
4	0.5	-	2.8	4.6	2.2	-	1.0	0.7	-	3.0	1.3	-	4
5	0.5	-	45.0	17.7	1.5	-	0.7	1.6	-	2.2	-	2.7	5
6	0.5	-	-	4.5	1.4	0.4	8.0	-	1.2	2.0	-	9.5	6
7	0.5	-	10.5	3.0	-	0.4	3.5	-	1.0	1.8	1.4	5.1	7
8	-	-	16.3	-	-	0.4	4.5	1.6	1.0	-	19.2	2.6	8
9	-	0.2	66.5	-	1.2	0.2	-	1.7	0.9	32.5	5.4	2.6	9
10	-	1.5	23.3	-	1.1	0.2	-	2.2	-	6.9	6.5	-	10
11	0.5	1.5	-	-	1.1	-	1.2	2.6	-	3.1	-	-	11
12	-	-	-	2.4	1.1	-	2.0	1.6	0.9	3.0	-	4.2	12
13	0.4	1.6	72.5	2.4	1.0	0.2	1.4	-	2.2	2.6	-	5.1	13
14	0.4	2.5	31.0	2.3	-	0.2	1.0	-	2.6	-	-	32.5	14
15	0.4	2.3	8.9	2.3	-	0.2	1.4	1.4	-	-	2.5	-	15
16	-	1.7	6.7	-	1.0	0.2	-	1.6	2.2	2.0	2.6	-	16
17	0.4	-	4.6	-	1.0	0.4	-	2.6	-	1.8	7.7	-	17
18	-	-	4.6	-	1.0	-	2.0	1.2	-	1.7	5.4	-	18
19	-	-	-	2.4	1.0	-	1.4	1.0	2.3	1.8	-	10.2	19
20	0.4	-	-	2.4	1.0	0.2	0.8	-	2.7	-	-	9.5	20
21	0.4	-	3.1	2.4	-	0.4	0.7	4.5	3.9	-	-	10.2	21
22	-	1.4	-	4.6	-	0.7	0.7	2.2	2.3	-	2.6	5.1	22
23	-	1.3	-	6.9	-	0.7	-	2.8	-	-	2.2	3.5	23
24	0.4	1.2	-	-	0.5	0.7	-	2.8	-	1.6	5.8	-	24
25	-	1.4	-	5.3	0.5	-	0.7	2.2	12.6	1.5	5.1	-	25
26	0.4	-	-	4.6	0.5	-	0.6	-	12.7	1.5	-	-	26
27	0.4	1.4	3.0	1.8	0.4	0.6	0.6	1.0	-	1.5	-	-	27
28	-	-	4.6	1.8	-	0.7	0.6	1.0	3.1	1.5	5.9	7.7	28
29	-	-	12.2	1.7	-	5.4	0.6	1.0	2.2	-	6.1	7.7	29
30	-	-	-	-	0.4	2.2	-	1.0	1.6	-	-	-	30
31	-	-	5.2	-	0.4	-	-	-	-	1.4	-	-	31

Station No. 02HC120

Location: At the bridge .25 miles east of Brock Road on
Durham Regional Road Number 3 about 1 mile north
of the Town of Pickering
Gauge: Staff
Drainage Area: 5.3 square miles
Period of Record: January to December 1977
Remarks: Records good

Daily Discharge in Cubic Feet Per Second

1977													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1	-	2.2	3.1	8.1	-	2.2	-	-	1.0	-	2.3	-	1
2	-	2.2	3.1	-	3.3	1.5	-	1.0	1.2	-	-	16.2	2
3	-	-	3.6	-	2.9	0.9	-	0.9	-	6.6	-	-	3
4	2.5	-	3.6	7.0	2.9	-	0.8	0.7	-	3.1	2.3	-	4
5	2.5	-	124.0	31.2	2.5	-	0.7	1.2	-	2.6	-	5.0	5
6	2.5	-	-	7.0	2.4	0.9	6.4	-	1.0	2.6	-	14.2	6
7	2.5	-	84.0	5.0	-	0.9	2.3	-	1.0	2.5	2.4	7.0	7
8	-	-	104.0	-	-	0.9	3.0	1.2	1.0	-	36.5	8.3	8
9	-	2.2	135.0	-	2.2	0.8	-	1.3	0.9	50.0	10.4	8.6	9
10	-	-	111.0	-	2.1	0.7	-	1.4	-	8.1	16.2	-	10
11	2.5	2.4	123.0	-	2.1	-	0.8	1.8	-	4.8	-	-	11
12	-	-	-	4.1	2.1	-	1.1	1.4	0.8	4.4	-	9.7	12
13	-	2.4	123.0	3.9	1.8	0.7	1.0	-	1.8	3.9	-	11.5	13
14	2.3	2.4	14.2	3.5	-	0.7	0.7	-	2.4	3.1	-	50.6	14
15	-	2.4	13.0	2.5	-	0.7	0.9	1.3	-	0	4.4	-	15
16	-	2.4	10.2	-	1.6	0.6	-	0.7	1.7	1.7	4.8	-	16
17	2.3	2.4	9.7	-	1.5	0.9	-	2.0	-	3.0	17.2	-	17
18	-	-	9.2	-	1.6	-	1.4	2.0	-	2.7	10.5	-	18
19	-	-	-	2.7	1.7	-	1.0	0.7	1.8	2.4	-	15.1	19
20	2.3	-	-	2.7	1.8	0.7	0.7	-	3.1	2.5	-	14.2	20
21	2.2	-	8.1	2.8	-	0.9	0.7	-	4.4	-	-	15.2	21
22	-	2.4	8.1	5.0	-	0.8	0.7	3.5	2.6	-	4.9	11.7	22
23	-	2.4	8.3	15.0	-	0.8	-	1.6	-	-	3.1	9.8	23
24	2.2	2.3	-	-	1.0	0.6	-	2.2	-	2.3	10.2	-	24
25	-	2.5	8.5	8.3	1.6	-	0.6	2.0	18.4	2.3	9.2	-	25
26	2.2	2.7	7.4	5.0	1.5	-	0.5	1.7	17.5	2.3	7.0	-	26
27	2.2	-	7.0	4.0	0.9	0.6	0.4	-	-	2.3	-	-	27
28	2.2	2.6	7.0	4.0	-	0.7	0.4	-	4.0	2.3	7.0	28.0	28
29	-	-	17.8	3.5	-	5.2	0.1	1.0	3.1	-	7.2	28.0	29
30	-	-	8.3	-	0.9	1.6	-	1.0	2.4	-	-	-	30
31	-	-	8.3	-	0.9	-	-	1.0	-	2.2	-	-	31

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Ministry
of the
Environment

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Publications

Water Resources
Bulletin 3-13
Surface water series

Hon. Harry C. Parrott, D.D.S., *Minister*
Graham W.S. Scott, *Deputy Minister*

SELECTED STREAMFLOW DATA FOR ONTARIO 1978

2
WATER RESOURCES
BULLETIN 3-13
Surface water series

**SELECTED
STREAMFLOW
DATA FOR
ONTARIO
1978**

ISSN 0382-2915

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO

ONTARIO

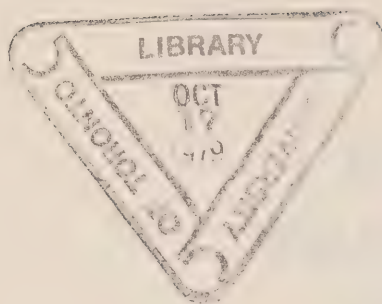


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INTRODUCTION

This bulletin contains streamflow data collected during 1978 by personnel of the Ministry of the Environment.

The basic data were collected and compiled by the Water Resources Assessment Units of the Ministry's Regional Offices at London, Stoney Creek, Don Mills, Kingston and Sudbury.

This publication was prepared by personnel of the Hydrology and Monitoring Section of the Water Resources Branch, Ministry of the Environment, Toronto.

Enquiries concerning the data in this bulletin should be made to the following:

Hydrology and Monitoring Section
Water Resources Branch
135 St. Clair Ave. West
Toronto, Ontario M4V 1P5

Technical Support Section
London Regional Office
985 Adelaide Street South
London, Ontario N6E 1V3

Technical Support Section
Kingston Regional Office
133 Dalton Street
Kingston, Ontario K7L 4X6

Technical Support Section
Hamilton Regional Office
140 Centennial Parkway North
Stoney Creek, Ontario
L8E 3H2

Technical Support Section
Toronto Regional Office
150 Ferrand Drive (Suite 700)
Don Mills, Ontario M3C 3C3

Technical Support Section
Sudbury Regional Office
469 Bouchard Street
Sudbury, Ontario P3E 2K8

Other Data Sources

Data collected by the Regional Offices on a daily basis throughout the year in Southern Ontario are not published in this bulletin. For convenience, these data are included in the Federal Government publication, "Surface Water Data - Ontario". That publication, which includes streamflow and water-level data for numerous rivers and lakes in the Province, is published annually by Water Survey of Canada. Enquiries should be made to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A OE7.

DATA QUALITY

Many of the flows were determined by direct measurements; others are values calculated from a reading of water elevation and an empirically determined stage-discharge relationship. For stations where a stage-discharge relationship has been developed, the following terms are used to describe the quality of the records.

Excellent:

Records obtained at a site where an intensive discharge measurement program has produced a well-defined and stable stage-discharge relationship.

Good:

Records obtained from a site where an intensive discharge measurement program has produced a well-defined stage-discharge relationship which is not completely stable due to minor shifting of the stream bed or other channel properties which control water levels.

Fair:

Records obtained from a site where scarcity of discharge measurements has permitted only moderate definition of the stage-discharge relationship.

Poor:

Records obtained from a site where an unstable control, poor discharge measurement section or discharge measurements has resulted in a poorly defined stage-discharge relationship.

DEFINITION OF TERMS AND ABBREVIATIONS

"Cubic foot per second" (cfs) is the unit expressing the rate of streamflow discharge used in this bulletin.

"Acre-foot" (ac-ft) is the volume of water required to cover an area of one acre to a depth of one foot. It is equal to 43,560 cubic feet.

"WPCP" Water Pollution Control Plant.

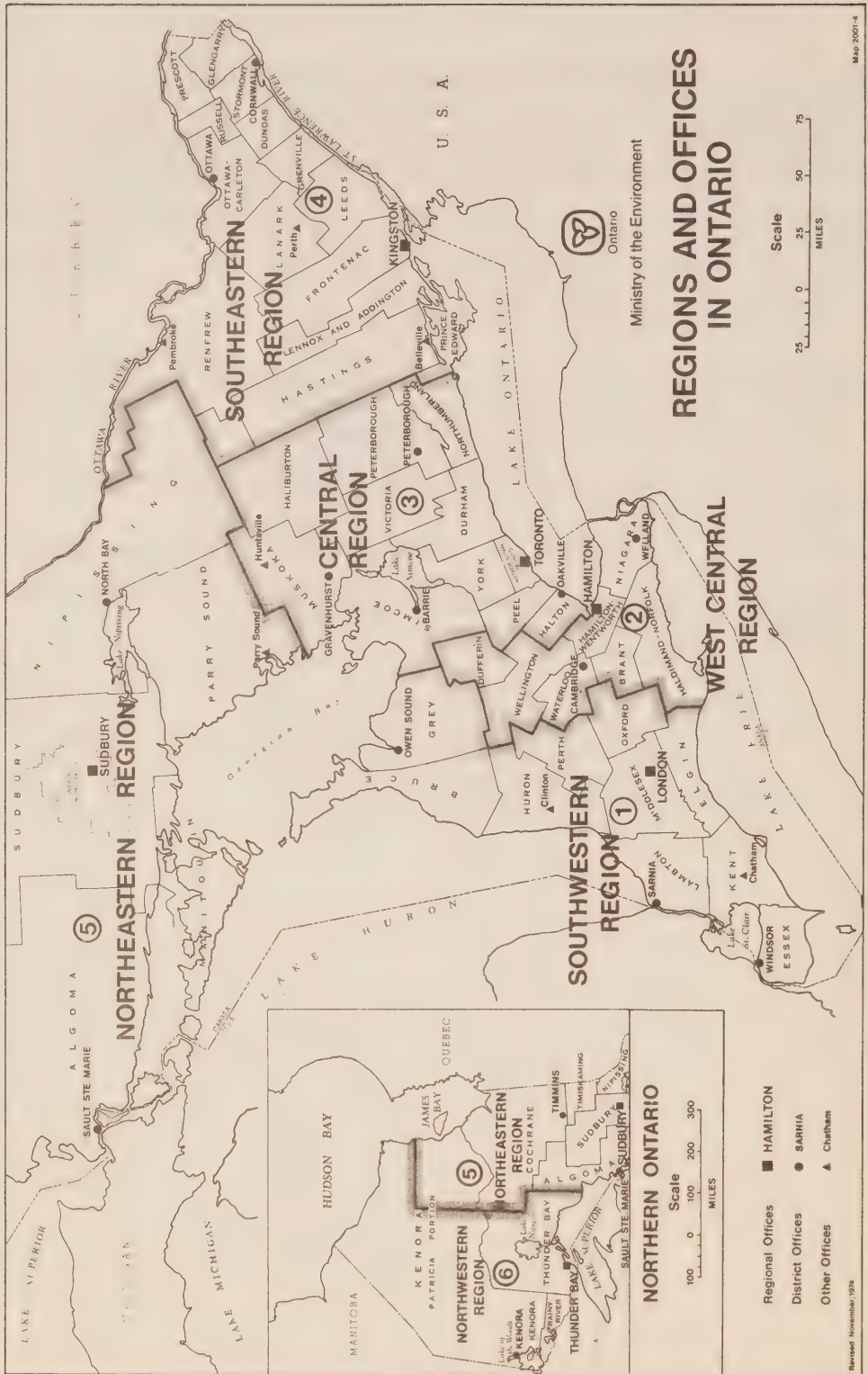
"No Flow" (N.F.) This notation indicates a field observation of either no streamflow, or a flow of less than 0.05 cfs.

1 cubic foot equals 6.232 Imperial gallons.

1 cubic foot per second equals 374 Imperial gallons per minute.

1 cubic foot per second for one day equals 1.984 acre-feet.

1 cubic foot per second equals 0.0283 cubic metres per second.



AUSABLE RIVER BELOW EXETER

Station No. 02FF103

Location: At the bridge on Hwy. 83 about 0.8 mile west of the junction with Hwy. 4 in the Town of Exeter

Gauge: None

Drainage Area: 42 square miles

Period of Record: June 1975 to December 1978

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 24	28.2	July 24	1.1	Oct. 2	3.7
		June 6	7.8	Aug. 9	0.3	Oct. 12	47.4
		June 22	5.6			Oct. 18	16.9
						Nov. 1	9.5

AUSABLE RIVER TRIBUTARY NEAR HENSALL

(Hensall Creek)

Station No. 02FF105

Location: At the bridge on Hwy. 4, about 1.1 miles south of the Village of Hensall

Gauge: None

Drainage Area: 6.1 square miles

Period of Record: June 1975 to December 1978

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 12	8.1	July 24	<0.5	Oct. 2	1.4
		May 24	3.1	Aug. 9	<0.5	Oct. 11	7.7
		June 6	1.2			Oct. 18	3.1
		June 13	8.5			Nov. 1	2.0
		June 19	2.3			Dec. 4	32.8

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 24	97.8	July 24	1.6	Oct. 2	11.5
		June 6	19.0	Aug. 9	1.3	Oct.18	39.9
		June 22	19.9	Aug. 23	1.3	Nov. 1	25.1

AUSABLE RIVER NEAR EXETER

Station No. 02FF109

Location: At the bridge at Concession 4, Lot 29,
Township of Usborne, about 4 miles
northeast of the Town of Exeter.

Gauge: Measuring point

Drainage Area: 26.9 square miles

Period of Record: May to November 1978

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 24	12.6	July 24	0.4	Oct. 2	2.5
		June 6	4.6	Aug. 9	<0.5	Oct.12	15.5
		June 13	7.5			Oct.18	6.1
		June 22	2.9			Nov. 1	5.2

BAXTER CREEK NEAR MILLBROOK

Station No. 02HJ104

Location: Upstream of township road bridge at Lot 10,
Concession 4, Township of Caven, about 1 mile
southeast of the Town of Millbrook

Gauge: Measuring Point

Drainage Area: 11.8 square miles

Period of Record: October 1977 to November 1978

Remarks: Records good, temporary onstream recorder
installed April 1 to November 30, 1978

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978									
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1	34.2	19.3	15.3	13.5	13.8	14.4	21.2	15.8	1
2	27.7	19.2	14.9	13.3	13.6	14.2	14.2	15.5	2
3	19.6	18.9	14.3	13.2	16.4	15.3	14.4	15.4	3
4	18.0	18.6	13.9	13.3	14.0	14.1	20.0	15.1	4
5	24.7	18.9	14.5	13.0	13.4	13.7	15.9	15.2	5
6	25.2	20.3	13.9	12.9	13.4	13.8	28.0	15.5	6
7	51.1	20.2	14.3	12.8	13.1	13.6	17.5	15.5	7
8	28.4	19.5	15.0	12.7	13.5	14.1	15.4	15.2	8
9	26.4	26.5	13.8	12.8	16.9	13.5	15.3	15.4	9
10	23.6	20.5	13.4	12.5	13.2	13.7	15.4	15.6	10
11	40.5	19.0	13.4	12.5	12.8	20.2	14.9	15.8	11
12	41.0	20.4	14.0	12.8	12.4	22.0	16.6	15.8	12
13	51.1	22.9	17.0	12.9	11.9	14.7	15.6	16.2	13
14	45.9	51.1	14.1	13.0	11.9	14.3	16.8	26.4	14
15	29.8	37.3	13.6	13.0	11.9	20.5	16.0	17.7	15
16	28.5	25.3	13.6	13.5	12.4	14.6	15.3	16.3	16
17	28.9	24.3	14.1	13.3	13.6	14.3	15.1	27.5	17
18	28.3	22.6	14.0	13.1	13.2	25.1	15.4	22.9	18
19	36.2	20.9	13.9	13.2	13.2	23.3	15.8	17.4	19
20	52.4	24.1	13.8	13.1	16.7	14.6	16.1	16.4	20
21	44.0	24.0	14.1	18.7	15.4	15.0	15.8	15.4	21
22	31.0	19.6	14.3	17.7	13.6	14.2	15.9	15.0	22
23	28.1	18.8	14.2	16.7	13.2	13.6	16.2	27.0	23
24	26.6	18.1	14.1	14.0	13.6	13.3	15.6	24.5	24
25	25.7	18.0	14.0	13.5	16.7	13.3	17.0	18.3	25
26	24.0	17.5	14.2	13.6	15.8	13.2	23.0	16.1	26
27	22.8	17.3	14.2	14.1	14.5	13.3	17.6	15.7	27
28	21.8	16.8	13.9	13.9	14.1	13.6	16.7	15.9	28
29	20.6	16.4	13.7	13.8	14.5	13.0	16.1	16.6	29
30	19.7	15.9	13.6	13.9	14.5	13.7	16.2	17.2	30
31		16.0		13.5	14.5		16.1		31

BLACK CREEK BELOW ACTON

9

Station No. 02HB106

Location: At the bridge on Concession 4, Township of Esquesing about 1.5 miles southeast of the Town of Acton

Gauge: On-stream recorder

Drainage Area: 10.0 square miles

Period of Record: April 1966 to December 1978

Remarks: Temporary on-stream recorder installed March 18 to December 18, 1978. Discharge affected by regulation

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1				43.2	10.9	6.3	5.0	4.4	2.6	3.9	4.5	8.8	1
2				61.0	10.6	7.8	4.8	4.1	2.3	3.6	4.6	8.5	2
3				42.0	11.0	7.5	5.0	5.9	2.2	3.9	4.7	8.0	3
4				29.6	10.3	7.3	6.1	4.0	2.4	9.4	4.5	13.9	4
5				30.5	11.0	7.9	5.3	3.4	2.4	6.6	4.2	12.5	5
6				31.3	12.0	7.8	5.0	3.6	2.4	9.1	4.5	12.0	6
7				48.2	11.9	8.3	4.8	3.9	2.3	6.9	4.8	11.4	7
8				42.9	12.5	8.9	5.0	4.1	2.9	5.9	4.6	11.8	8
9				31.9	15.9	8.3	4.7	4.5	3.0	5.4	4.7	11.5	9
10				27.4	16.8	7.6	4.5	4.3	3.1	5.5	4.8	10.6	10
11				44.4	14.6	7.4	4.3	3.6	3.7	5.6	4.6	10.4	11
12				50.7	16.0	9.9	4.3	3.3	9.2	5.5	4.3	9.7	12
13				37.9	22.7	11.4	4.6	3.4	3.1	4.9	4.8	9.4	13
14				32.0	29.9	8.8	4.4	3.9	3.4	4.6	9.5	9.0	14
15				26.1	26.9	8.2	4.1	4.8	6.5	4.5	6.0	8.7	15
16			-	23.8	21.0	7.9	3.8	4.8	3.8	3.8	5.8	8.2	16
17			-	20.9	19.0	7.8	3.7	3.7	6.3	3.8	10.5	8.4	17
18			12.9	19.4	17.2	7.6	3.9	3.3	9.4	3.9	12.1	8.3	18
19			12.8	24.2	14.7	7.6	3.6	3.3	15.8	3.9	12.9	-	19
20			12.5	28.6	14.1	7.6	3.6	3.3	9.9	4.1	11.0	-	20
21			20.0	31.4	15.5	7.8	4.9	3.2	8.4	3.9	9.6		21
22			24.0	25.9	13.6	7.3	4.7	3.0	7.5	3.6	8.8		22
23			28.0	21.8	10.5	6.8	4.5	2.9	5.9	3.6	13.4		23
24			29.7	18.9	7.3	6.5	3.9	4.6	4.6	3.9	15.2		24
25			25.2	16.5	6.9	6.2	3.8	4.1	4.5	4.6	15.4		25
26			22.3	15.7	6.4	6.7	4.1	2.8	4.0	7.4	12.6		26
27			21.2	15.1	6.4	6.4	4.6	2.2	3.7	5.3	10.6		27
28			20.7	13.2	6.2	5.8	4.2	4.6	3.5	4.9	10.6		28
29			20.1	12.2	6.3	5.6	4.4	5.2	3.3	4.6	9.7		29
30			21.8	11.6	6.6	5.3	4.4	3.6	3.3	4.6	9.7		30
31			27.5		6.5		4.4	3.1		4.5			31

BLYTH BROOK NEAR BLYTH

Station No. 02FE105

Location: At the bridge on Side Road 39-40,
Township of East Wawanosh, about 1.5 miles
northwest of the Village of Blyth

Gauge: Staff

Drainage Area: 19.5 square miles

Period of Record: July 1975 to December 1978

Remarks: Records fair

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 25	11.6	July 25	1.5	Oct. 2	6.4
		June 7	4.8	Aug. 9	2.2	Oct.11	24.5
		June 23	4.8	Aug. 23	0.9	Oct.18	9.5
						Nov. 1	9.0

BOYNE RIVER AT FLESHERTON

Station No. 02FB103

Location: At the bridge on Hwy. 10 in the Village of Flesherton

Gauge: On-stream recorder

Drainage Area: 9.9 square miles

Period of Record: June 1975 to November 1978

Remarks: Temporary on-stream recorder and weir installed May 31 to November 19, 1978

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		6.9		3.2		4.4	5.6	1
2		6.7		3.1		4.0	4.7	2
3		6.4		-		3.9	4.6	3
4		6.3		4.4		7.3	5.1	4
5		8.8		3.6		6.2	5.0	5
6		8.4		3.5		5.9	4.9	6
7		7.6		3.9		5.8	5.0	7
8		7.3		3.8		5.8	-	8
9		6.9		3.8		5.2	-	9
10		6.4		4.4		4.9	-	10
11		5.9		3.9		5.1		11
12		7.9		3.7		5.7		12
13		-		3.4		5.5		13
14		-		3.4		5.1		14
15		-		3.3		4.9		15
16			-	3.5	4.5		4.0	16
17			-	3.8	4.1		5.2	17
18			3.4	3.8	6.1		7.6	18
19			3.3	3.5	9.5		6.8	19
20			3.1	3.6	7.0		-	20
21		-	4.0	3.5	6.4			21
22		7.5	3.7	3.4	5.5			22
23		6.9	3.6	3.5	4.7			23
24		6.7	3.7	4.8	4.5			24
25		-	3.5	4.1	4.1			25
26	-	6.5	3.9	3.8	4.0	-		26
27	-	6.3	4.8	3.9	4.0	-		27
28	-	5.8	3.6	3.8	4.0	-		28
29	-	5.8	3.8	3.5	3.8	-		29
30	-	5.7	3.6	3.4	4.0	-		30
31	7.1		3.4	3.4		6.5		31

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 26	28.5	Aug. 10	30.0	Oct. 18	26.1
				Sept. 20	35.2	Nov. 7	26.6

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 9	4.2	July 14	2.4		
		June 7	0.4	July 20	5.4		
		June 28	2.5	July 28	5.3		
				Aug. 14	5.3		

Station No. 02GC115

Location: About 300 yards upstream of the bridge on Hwy 4, about 0.25 mile north of the Ford Motor Company Talbotville Plant.

Gauge: On-stream recorder

Drainage Area: 7.4 square miles

Period of Record: June to December 1978

Remarks: Temporary on-stream records and weir installed June 30, 1978

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			0.4	0.4	0.2	0.8	0.4	1
2			0.4	0.3	0.1	0.5	0.4	2
3			0.4	0.4	0.1	0.5	0.4	3
4			0.4	0.3	0.1	5.1	0.4	4
5			0.4	0.2	0.1	1.9	0.4	5
6			0.4	0.2	0.1	1.6	0.4	6
7			0.3	0.2	0.1	1.5	0.7	7
8			0.3	0.3	0.1	1.0	0.4	8
9			0.3	0.6	0.1	0.8	-	9
10			0.3	0.6	0.1	0.8	-	10
11			0.3	0.3	0.1	0.6	-	11
12			0.2	0.2	0.2	0.5	-	12
13			0.2	0.2	0.2	0.8	-	13
14			0.3	0.2	0.6	0.7	-	14
15			0.3	0.2	3.4	0.6	-	15
16			0.3	0.4	2.6	0.5	0.4	16
17			0.2	0.3	0.8	0.4	1.9	17
18			0.2	0.2	0.7	0.4	-	18
19			0.2	0.4	1.3	0.5	2.5	19
20			0.2	0.5	1.8	0.5	1.4	20
21			0.7	0.3	0.8	0.4	0.9	21
22			1.3	0.2	0.5	0.3	0.8	22
23			0.5	0.2	0.4	0.4	1.9	23
24			0.4	0.2	0.4	0.4	-	24
25			0.3	0.2	0.3	0.4	-	25
26		-	0.3	0.2	0.3	1.4		26
27		-	-	0.2	0.4	1.7		27
28		-	-	0.2	0.4	0.8		28
29		-	-	0.2	0.3	0.6		29
30		0.3	1.2	0.2	0.5	0.5		30
31			0.5	0.2		0.5		31

DODD CREEK NEAR TALBOTVILLE ROYAL

Station No. 02GC110

Location:

At the bridge on the side road leading west off Hwy. 4, about 1.5 miles northwest of the Hamlet of Talbotville Royal.

Gauge:

Staff

Drainage Area:

8.8 square miles

Period of Record:

May 1972 to December 1974
June to December 1978

Remarks :

Records fair

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 5	2.3	July 27	3.8	Nov. 2	2.9
		June 23	0.6	Aug. 27	2.3		
		June 28	0.3				

Station No. 02HD105

27

Location: At the bridge on Huron County Road 27,
about 1.5 miles below the Hamlet of Lucknow

<u>Gauge:</u>	Measuring Point
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Drainage Area: 48.7 square miles

Period of Record: January 1969 to December 1978

Remarks : Records good

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 25	56.9	July 25	17.5	Oct. 3	32.3
		June 7	32.8	Aug. 10	43.5	Oct. 11	75.6
		June 23	43.8			Oct. 17	42.1
						Oct. 31	42.1

MAYHEW CREEK NEAR TRENTON

Station No. 02HK109

Location: At the bridge on Side Road 14-15, Township of Murray, about 2.5 miles west of the Town of Trenton

Gauge: On-stream recording

Drainage Area: 4.7 square miles

Period of Record: July 1973 to October 1976
June to December 1978

Remarks: Records good. Temporary on-stream recorder installed June 21 to October 14.

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			3.4	3.0	4.9	2.4		1
2			2.6	2.5	2.3	2.8		2
3			2.4	4.8	1.3	2.1		3
4			1.8	19.1	1.2	2.3		4
5			1.5	30.0	0.9	2.1		5
6			1.7	16.7	0.8	1.5		6
7			1.8	8.0	0.6	1.4		7
8			1.9	2.6	0.5	1.4		8
9			1.6	1.4	0.5	1.5		9
10			1.1	1.4	0.4	1.8		10
11			2.5	1.3	0.8	1.5		11
12			2.2	1.1	6.9	1.2		12
13			1.4	1.7	8.4	1.6		13
14			5.3	1.5	4.7	2.4		14
15			9.2	0.9	3.4	-		15
16			3.2	1.3	2.9			16
17			2.8	2.3	2.6			17
18			2.0	2.2	2.5			18
19			1.5	2.0	9.1			19
20			1.9	2.3	12.5			20
21		1.8	2.1	2.3	9.8			21
22		1.9	2.4	2.0	5.6			22
23		2.2	2.6	1.5	3.4			23
24		2.8	3.1	1.2	1.3			24
25		2.2	3.1	1.6	0.5			25
26		2.4	2.9	1.7	3.6			26
27		2.5	14.4	1.5	8.4			27
28		2.2	16.3	1.5	1.6			28
29		2.3	11.0	3.5	1.0			29
30		3.4	7.7	4.1	0.7			30
31			4.6	5.6				31

Station No. 02HK110

Location: North of the Community of Smithfield at
Lot 18, Concession 1

Gauge: On-stream recorder

Drainage Area: 3.4 square miles

Period of Record: June to December 1978

Remarks: Temporary on-stream recorder installed
June 23 to October 13, 1978

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978									
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1				1.6	1.5	1.3	2.3		1
2				1.6	1.3	1.3	1.9		2
3				1.6	3.8	1.4	1.9		3
4				1.5	2.7	1.3	2.1		4
5				1.4	1.8	1.3	1.7		5
6				1.2	1.5	1.2	1.8		6
7				1.1	1.0	1.3	1.8		7
8				1.2	1.0	1.2	1.8		8
9				1.2	1.3	1.0	2.2		9
10				1.0	1.3	1.0	1.9		10
11				0.9	1.1	2.2	1.8		11
12				1.1	1.6	3.6	1.9		12
13				1.3	1.6	2.0	2.5		13
14				1.4	1.2	1.5	-		14
15				1.2	1.2	2.8	-		15
16				1.2	2.2	1.9			16
17				1.2	2.0	1.5			17
18				1.1	1.5	2.2			18
19				1.2	1.5	4.5			19
20				1.2	2.0	2.2			20
21			-	1.3	1.5	1.8			21
22			-	1.3	1.3	1.7			22
23			2.1	1.7	1.2	1.5			23
24			1.9	1.6	1.5	1.5			24
25			1.9	1.2	2.0	1.5			25
26			2.0	1.3	1.5	1.4			26
27			2.0	3.8	1.2	1.5			27
28			1.9	1.7	1.6	1.8			28
29			1.7	1.6	2.9	1.4			29
30			2.0	1.7	1.8	1.5			30
31				1.5	1.5				31

MOUNT ALBERT CREEK NEAR MOUNT ALBERT

Station No. 02EC104

Location: At the bridge on Queensville Side Road,
about 2.5 miles north of the Community of
Mount Albert

Gauge: On-stream recorder

Drainage Area: 24.3 square miles

Period of Record: July 1970 to December 1978

Remarks: Records fair. Temporary on-stream recorder
installed March 16 to December 31, 1978

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1				79.4	18.6	13.8	9.7	9.3	12.5	18.4	17.6	1.24	1
2				162.0	18.4	13.5	10.0	9.7	11.9	18.9	17.3	14.5	2
3				73.9	18.2	13.8	9.7	13.7	13.1	16.2	17.0	17.2	3
4				45.5	18.2	13.2	9.8	13.5	14.2	25.3	16.6	16.6	4
5				49.0	17.9	14.7	9.8	12.0	13.6	23.8	16.5	14.9	5
6				64.7	20.9	15.1	9.7	10.7	12.2	22.2	16.6	15.8	6
7				134.0	21.5	15.1	9.7	10.4	11.8	22.7	16.8	15.5	7
8				117.0	20.3	15.8	9.7	10.7	11.9	21.6	16.3	15.0	8
9				53.3	25.1	15.1	9.5	13.7	12.3	19.3	16.4	14.9	9
10				44.8	26.4	13.9	9.4	16.4	12.0	19.5	16.3	16.0	10
11				87.0	22.4	13.2	9.4	12.8	12.3	18.0	16.1	16.2	11
12				105.0	22.7	13.1	9.5	11.6	15.4	17.2	16.1	14.9	12
13				65.7	27.5	22.9	9.5	11.1	14.9	16.5	16.2	13.6	13
14				48.9	45.7	18.2	9.8	10.7	13.3	16.6	22.9	13.5	14
15				35.7	65.6	14.9	9.6	11.8	15.3	17.5	21.8	13.4	15
16			19.8	304	37.1	13.6	9.8	18.5	14.7	16.7	19.0	13.6	16
17			19.3	29.3	28.4	13.8	11.3	15.4	13.6	16.4	18.6	13.0	17
18			18.0	28.3	25.4	16.0	10.5	13.1	17.0	16.5	24.8	13.0	18
19			17.2	29.9	22.4	16.0	9.9	12.6	37.2	16.9	22.4	13.0	19
20			16.8	43.1	21.0	14.0	9.5	16.2	23.7	18.7	19.0	13.3	20
21			25.6	70.5	23.4	12.9	9.8	13.8	20.9	18.2	17.4	13.7	21
22			32.3	53.6	20.6	12.8	10.9	12.1	22.9	17.5	16.3	14.0	22
23			36.4	34.4	19.0	12.2	11.0	11.4	18.4	17.1	18.6	14.4	23
24			42.2	28.3	18.1	12.1	10.2	13.8	16.0	16.9	25.6	14.3	24
25			38.3	25.5	17.1	11.7	9.3	18.6	16.0	16.9	22.2	14.4	25
26			30.0	23.4	16.3	11.8	9.4	14.9	13.7	20.7	20.0	14.8	26
27			26.1	22.4	15.8	11.7	9.8	13.0	13.6	22.3	17.7	14.9	27
28			24.7	21.2	14.9	11.0	9.5	13.0	14.7	19.6	16.8	14.4	28
29			24.5	20.3	14.4	10.6	9.3	15.6	14.6	18.1	13.9	13.8	29
30			27.4	18.5	14.2	9.7	9.9	14.4	14.6	17.6	12.5	14.3	30
31			34.6		13.9		9.6	12.8		18.1		15.9	31

OTTER CREEK AT MILD MAY

Station No. 02FC108

Location: At the Otter Creek Conservation Area
in the Village of Mildmay

Gauge: None

Drainage Area: 14.8 square miles

Period of Record: June 1975 to December 1978

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 11	27.8	July 18	9.5	Oct. 3	10.0
		June 1	17.0	Aug. 4	9.7	Oct. 11	12.9
		June 16	15.6	Aug. 10	13.4	Oct. 17	9.4
						Oct. 31	9.8

Station No. 02EB115

Location: About 300 yards north off the side of Hwy.
60 approximately 3.1 miles east of the
junction of Hwy. 60 and Muskoka Road 3 near
the Town of Huntsville

Gauge: On-stream recorder

Drainage Area: 1 square mile

Period of Record: October 1977 to December 1978

Remarks: Temporary on-stream recorder and weir
installed April 4th to September 30th,
1978
Records good

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978									
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1		2.2	0.51	0.73	0.23	0.28			1
2		2.0	0.47	0.48	0.15	0.22			2
3		2.0	0.46	0.69	0.45	0.17			3
4		1.8	0.42	0.21	0.30	0.07			4
5		1.8	0.52	0.05	0.18	0.08			5
6		1.6	0.48	0.04	0.12	0.21			6
7		1.6	0.38	0.05	0.07	0.28			7
8		1.6	0.69	0.07	0.05	0.24			8
9		2.8	0.75	0.08	0.04	0.24			9
10		2.9	0.58	0.06	0.03	0.23			10
11		2.5	0.46	0.01	0.01	0.81			11
12		2.2	0.60	0.08	0.01	1.4			12
13		2.8	1.4	0.06	0.0	1.1			13
14		3.0	1.1	0.07	0.0	1.0			14
15		2.9	0.7	0.04	0.0	1.7			15
16		2.7	0.54	0.04	0.46	2.2			16
17		2.3	0.49	0.05	1.7	2.6			17
18		2.0	0.66	0.05	1.1	1.7			18
19		2.0	0.76	0.05	0.92	1.3			19
20		1.7	0.58	0.06	0.53	1.2			20
21		1.9	0.46	0.04	0.19	1.7			21
22		1.4	0.39	0.06	0.11	1.7			22
23		1.3	0.24	0.27	0.05	1.6			23
24	-	1.0	0.16	0.30	0.94	1.7			24
25	-	1.0	0.08	0.16	1.6	1.3			25
26	4.0	0.89	0.07	0.15	0.67	1.1			26
27	3.7	0.56	1.2	0.46	0.44	1.5			27
28	3.4	0.47	2.3	0.43	1.7	2.5			28
29	3.1	0.44	1.5	0.48	2.4	2.3			29
30	2.7	0.39	1.2	0.69	1.0	2.3			30
31		0.48		0.37	0.82				31

PRINGLE CREEK AT WHITBY

Station No. 02HD108

Location: At the old steel bridge below Victoria Street East, in the Town of Whitby

Gauge: Staff

Drainage Area: 8.3 square miles

Period of Record: July 1966 to December 1978

Remarks: Records good

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 23	5.5	Aug. 10	4.5	Oct. 19	6.8
				Sept. 19	16.8	Nov. 8	7.1

Location: At the bridge on Barton Street in the
City of Hamilton

Gauge: Staff

Drainage Area: 20.4 square miles

Period of Record: May 1968 to December 1978

Remarks: Records fair

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 2	7.4				
		May 10	7.1				
		May 19	16.1				

ROCKY SAUGEN RIVER BELOW MARKDALE

Station No. 02FC100

Location: At the culvert on Side Road 100, Township of Glenelg, about 0.3 miles southwest of the Village of Markdale

Gauge: Staff

Drainage Area: 35.6 square miles

Period of Record: July 1967 to December 1978

Remarks: Records good

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 30	70.3	July 13	41.3	Oct. 4	56.2
		June 14	61.5	Aug. 3	35.5	Oct. 10	42.5
				Aug. 25	41.6	Oct. 16	41.1
						Oct. 30	44.6

Station No. 02FA100

SAUBLE RIVER AT TARA

Station No. 02FA101

Location: At the bridge on the Main Street in the Village of Tara

Gauge: None

Drainage Area: 81 square miles

Period of Record: June 1975 to December 1978

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 11	72.8	July 18	11.6	Oct. 3	30.3
		June 15	25.1	Aug. 4	12.7	Oct. 16	21.2
				Aug. 10	0.7	Oct. 30	50.9
				Aug. 24	7.0		

Location: At the bridge on Side Road 1, Township of Arthur, about 0.6 mile southwest of the Town of the Mount Forest

<u>Gauge:</u>	Measuring Point
---------------	-----------------

Drainage Area: 140 square miles

Period of Record: May 1968 to December 1978

Remarks: Data prior to 1975 appear in the Summer Gauging Site Data section of previous bulletins in this series

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 10	169	July 17	12.8		
		May 30	43.4				
		June 14	79.9				

47

Station No. 02GD105

Remarks : Records good

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		June 5	11.9	July 20	3.5	Oct. 20	7.2
		June 29	6.2	Aug. 17	2.3	Nov. 3	8.6
				Aug. 29	2.1		

SPEY RIVER NEAR CHATSWORTH

Station No. 02FB104

Location: At the culvert on Hwys. 6 and 10, about
0.7 mile north of the Village of Chatsworth

Gauge: None

Drainage Area: 15.3 square miles

Period of Record: May 1975 to December 1978

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 10	36.3	July 18	3.7	Oct. 4	30.3
		May 31	9.7	Aug. 3	5.0	Oct. 10	13.1
		June 15	9.9	Aug. 11	3.3	Oct. 16	9.2
				Aug. 25	3.3	Oct. 30	18.4

SYDENHAM RIVER TRIBUTARY BELOW STRATHROY

49

Station No. 02GG104

Location: At the bridge on Middlesex County Road 2,
about 1 mile west of the Hamlet of Cairngorm

Gauge: None

Drainage Area: 37 square miles

Period of Record: July 1968 to December 1978

Remarks: Data prior to 1975 appear in the Summer
Gauging Site Data section of previous
bulletins in this series

1978

Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 26	20.5				
		June 9	14.5				
		June 30	9.0				

TWENTY MILE CREEK AT SMITHVILLE

Station No. 02HA106

Location: At the bridge on Canborough Street in
the Community of Smithville

<u>Gauge:</u>	Measuring Point
---------------	-----------------

Drainage Area: 69.5 square miles

Period of Record: May 1969 to December 1975
April 1977 to December 1978

Remarks: Records fair

1978							
Jan. to March		April to June		July to Sept.		Oct. to Nov.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
		May 10	8.7	July 17	0.03		
		May 19	37.7				
		May 29	6.9				
		June 22	1.7				

URFE CREEK NORTH OF PICKERING

53

Station No. 02HC116

Location: At the first bridge east of Brock Road on
Durham Regional Road Number 4 about 2.5
miles north of the Town of Pickering

Gauge: Staff

Drainage Area: 4.1 square miles

Period of Record: January 1977 to December 1978

Remarks: Records good

DAILY DISCHARGE IN CUBIC FEET PER SECOND

1978									
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			1.5	0.4	0.6	0.4	2.0	1.2	1
2			1.6	0.4	0.6	0.4	0.8	1.2	2
3			1.5	0.4	2.2	0.5	0.6	1.2	3
4			1.4	0.5	0.9	0.4	2.2	1.2	4
5			1.5	0.4	0.6	0.4	1.4	1.2	5
6			1.4	0.3	0.6	0.4	1.1	1.2	6
7			1.3	0.3	0.6	0.4	0.9	1.3	7
8			1.2	0.2	0.7	0.4	0.7	1.2	8
9			1.3	0.2	0.9	0.4	0.6	1.2	9
10			1.2	0.2	0.8	0.4	0.6	1.2	10
11			1.1	0.2	0.6	0.5	0.6	1.1	11
12			1.1	0.2	0.6	1.4	0.6	1.1	12
13			1.4	0.2	0.6	0.6	0.6	1.2	13
14			1.1	0.2	0.6	0.6	0.7	3.1	14
15			1.1	0.1	0.6	2.5	0.9	1.8	15
16			1.1	0.1	0.7	0.8	0.6	1.4	16
17			1.1	0.1	0.7	0.6	0.6	3.2	17
18			1.1	0.1	0.6	1.8	0.6	4.4	18
19			1.1	0.2	0.8	3.7	0.7	2.0	19
20			1.0	0.2	1.2	1.0	0.8	1.4	20
21			1.0	0.5	0.6	0.9	0.8	1.2	21
22			1.0	0.6	0.6	0.8	0.8	1.1	22
23		-	0.9	1.1	0.5	0.6	9.9	4.4	23
24		-	0.9	0.7	3.1	0.5	1.0	4.6	24
25		2.8	0.8	0.7	1.8	0.5	1.2	2.3	25
26		2.3	0.9	0.6	0.7	0.5	3.6	1.4	26
27		2.1	0.8	0.8	0.6	0.5	2.5	1.4	27
28		2.0	0.6	0.6	0.7	0.5	1.5	1.4	28
29		1.9	0.5	0.6	1.0	0.4	1.4	1.4	29
30		1.7	0.4	0.7	0.6	0.5	1.3	1.5	30
31		1.6		0.6	0.5		1.2		31





Ministry
of the
Environment

Water Resources
Bulletin 3-14
Surface water series

Hon. Harry C. Parrott, D.D.S., Minister
Graham W.S. Scott, Q.C., Deputy Minister

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SELECTED STREAMFLOW DATA FOR ONTARIO 1979

*WATER RESOURCES
BULLETIN 3-14
Surface water series*

**SELECTED
STREAMFLOW
DATA FOR
ONTARIO
1979**

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO

ONTARIO



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Water Resources Branch
Ontario Ministry of the Environment
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Every possible effort is made to ensure the accuracy of the information contained in this publication. Verification of any suspect data may be obtained by contacting the Hydrology and Monitoring Section, Water Resources Branch, Toronto (965-6995).

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INTRODUCTION

This bulletin contains streamflow data collected during 1979 by personnel of the Ministry of the Environment.

The basic data were collected and compiled by the Water Resources Assessment Units of the Ministry's Regional Offices at London, Stoney Creek, Don Mills and Sudbury.

This publication was prepared by personnel of the Hydrology and Monitoring Section of the Water Resources Branch, Ministry of the Environment, Toronto.

Enquiries concerning the data in this bulletin should be made to the following:

Hydrology and Monitoring Section
Water Resources Branch
135 St. Clair Avenue, West
Toronto, Ontario M4V 1P5

Technical Support Section
London Regional Office
985 Adelaide Street South
London, Ontario N6E 1V3

Technical Support Section
Toronto Regional Office
150 Ferrand Drive (Suite 700)
Don Mills, Ontario M3C 3C3

Technical Support Section
Hamilton Regional Office
140 Centennial Parkway North
Stoney Creek, Ontario L8E 3H2

Technical Support Section
Sudbury Regional Office
199 Larch Street
Sudbury, Ontario P3E 5P9

Other Data Sources

Data collected by the Regional Offices on a daily basis throughout the year in Southern Ontario are not published in this bulletin. For convenience, these data are included in the Federal Government publication, "Surface Water Data - Ontario". That publication, which includes streamflow and water-level data for numerous rivers and lakes in the Province, is published annually by Water Survey of Canada. Enquiries should be made to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

DATA QUALITY

Many of the flows were determined by direct measurements; others are values calculated from a reading of water elevation and an empirically determined stage-discharge relationship. For stations where a stage-discharge relationship has been developed, the following terms are used to describe the quality of the records.

Excellent:

Records obtained at a site where an intensive discharge measurement program has produced a well-defined and stable stage-discharge relationship.

Good:

Records obtained from a site where an intensive discharge measurement program has produced a well-defined stage-discharge relationship which is not completely stable due to minor shifting of the stream bed or other channel properties which control water levels.

Fair:

Records obtained from a site where scarcity of discharge measurements has permitted only moderate definition of the stage-discharge relationship.

Poor:

Records obtained from a site where an unstable control, poor discharge measurement section or discharge measurements has resulted in a poorly defined stage-discharge relationship.

DEFINITION OF TERMS AND ABBREVIATIONS

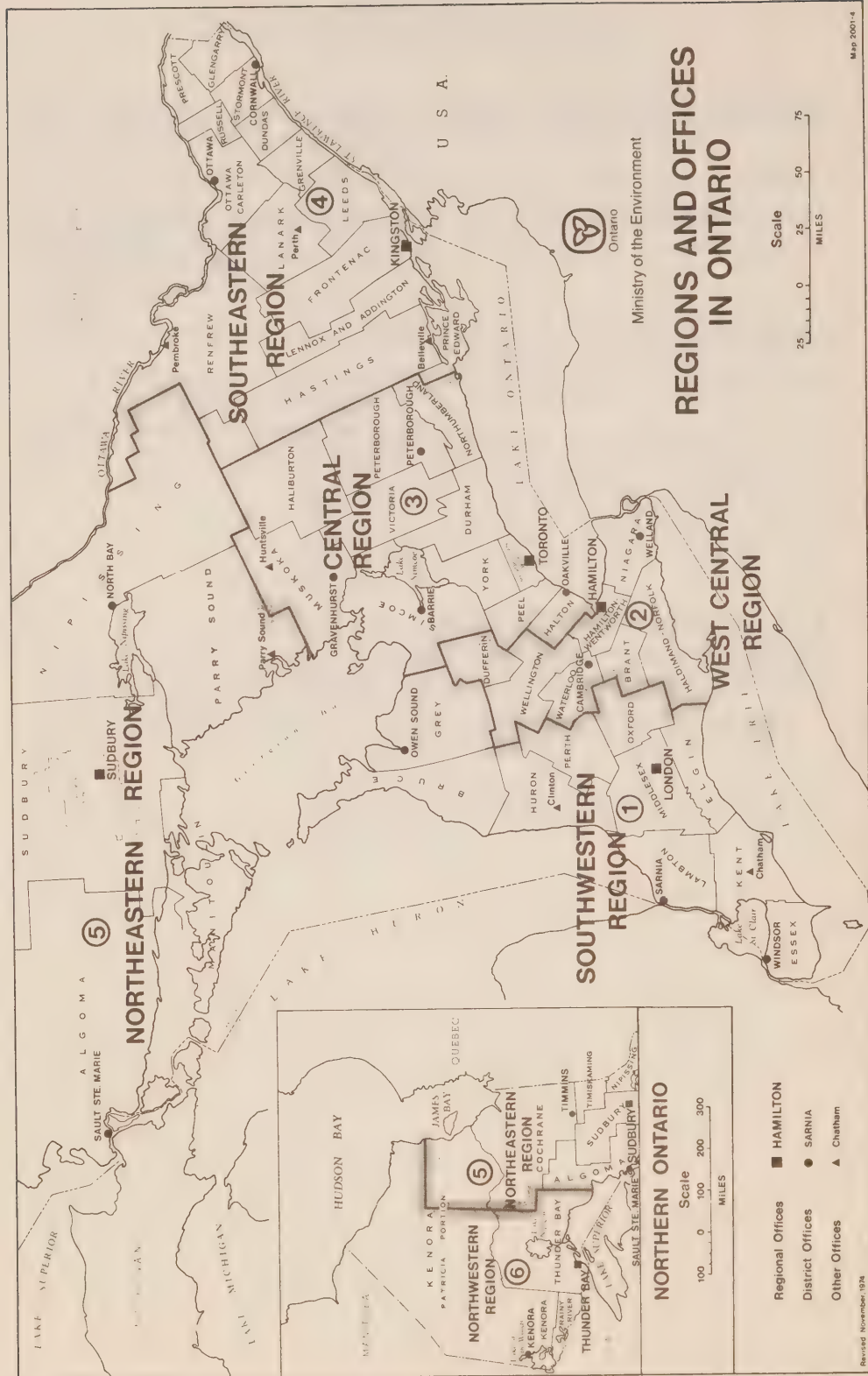
"Cubic metre per second" (m^3/s)	is the unit expressing the rate of streamflow discharge used in this bulletin.
"Cubic decametre" (dam^3)	is the volume of water required to cover an area of 1000 square metres to a depth of one metre. It is equal to 1000 cubic metres.
"WPCP"	Water Pollution Control Plant.
"No Flow" (N.F.)	This notation indicates a field observation of either no streamflow, or a flow of less than $0.001 \text{ m}^3/\text{s}$.
" < "	Less than

1 cubic metre equals 1000 litres

1 cubic metre per second equals 60,000 litres per minute.

1 cubic metre per second for one day equals 86.4 cubic decametres.

1 cubic metre per second equals 35.3144 cubic feet per second.



ALDER CREEK NEAR NEW DUNDEE

1

Station No. 02GA115

Location: Adjacent to Waterloo County Road No. 7, Lot 7, Concession 2, Township of Wilmot, about 3.2 kilometres north of the Village of New Dundee

Gauge: On-stream recorder

Drainage Area: 3.6 Square kilometres

Period of Record: June 1979 to December 1979

Remarks: Temporary on stream recorder and weir installed June 30th to September 13th 1979

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979									
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1				.082	.065	.059			1
2				.076	.073	.070			2
3				.072	.065	.061			3
4				.071	.064	.059			4
5				.070	.063	.059			5
6				.070	.063	.059			6
7				.069	.064	.058			7
8				.069	.069	.058			8
9				.069	.062	.058			9
10				.071	.064	.061			10
11				.070	.063	.061			11
12				.069	.062	.059			12
13				.068	.061	.059			13
14				.068	.061				14
15				.067	.060				15
16				.067	.060				16
17				.066	.060				17
18				.066	.062				18
19				.066	.062				19
20				.066	.060				20
21				.065	.059				21
22				.065	.059				22
23				.065	.062				23
24				.066	.082				24
25				.065	.063				25
26				.066	.061				26
27				.065	.061				27
28				.065	.059				28
29				.064	.061				29
30			.088	.064	.060				30
31				.065	.059				31

AUSABLE RIVER BELOW EXETER

Station No. 02FF103

Location: At the bridge on Hwy. 83 about 1.3 kilometres west of the junction with Hwy. 4 in the Town of Exeter

Gauge: None

Drainage Area: 109 Square kilometres

Period of Record: June 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 24	.280	Aug 9	.085	Oct 9	.054
		Jun 6	.286	Aug 27	.025		
				Sep 5	.065		
				Sep 13	.014		
				Sep 28	.023		

AUSABLE RIVER TRIBUTARY NEAR HENSALL
Station No. 02FF105

Location: At the bridge on Hwy. 4, about 1.8 kilometres south of the Village of Hensall

Gauge: None

Drainage Area: 15.8 Square kilometres

Period of Record: June 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 9	.122	Jul 31	.031	Oct 9	.040
		May 24	.074	Aug 27	.014	Oct 19	.037
						Nov 21	.076
						Nov 27	1.00
						Nov 29	.558
						Dec 6	.388

AUSABLE RIVER NEAR EXETER

Station No. 02FF109

Location: At the bridge at Concession 4, Lot 29, Township of Usborne, about 6.4 kilometres northeast of the Town of Exeter

Gauge: Measuring point

Drainage Area: 69.7 Square kilometres

Period of Record: May 1978 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 24	.142	Aug 9	.045	Oct 9	.153
		Jun 6	.119	Aug 27	.014		
		Jun 13	.068	Sep 13	.004		
		Jun 27	.008	Sep 28	.014		

BAXTER CREEK NEAR MILLBROOK

Station No. 02HJ104

Location: Upstream of the Township road bridge at Lot 10,
Concession 4, Township of Cavan, about 1.6
kilometres southeast of the Town of Millbrook

Gauge: On-stream recorder

Drainage Area: 30.6 Square kilometres

Period of Record: October 1977 to December 1979

Remarks: Records good. On-stream recorder installed
April 1st, 1978

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1				.628	.509	.427	.439	.410		.416	.404	.404	1
2				1.50	.496	.423	.404	.779		.452	.429	.396	2
3				.851	.698	.411	.392	.437		.466	.414	.388	3
4				.642	.595	.403	.383	.416		.489	.411	.402	4
5				.818	.524	.406	.380	.415		.721	.413	.433	5
6			.909	.751	.610	.399	.381	.418		.605	.419	.448	6
7			.769	.605	.541	.396	.377	.448		.528	.478	.482	7
8			.706	.563	.498	.400	.379	.424		.445	.428	.451	8
9			.951	.559	.479	.397	.379	.417		.668	.479	.401	9
10			1.20	.618	.469	.402	.385	.685		.446	.704	.418	10
11			.706	.638	.457	.500	.392	.437		.458	.439	.501	11
12			.511	.581	.477	.405	.390	.421		.576	.414	.507	12
13				.661	.617	.390	.388	.413		.504	.405	.413	13
14				1.36	.478	.385	.382	.412	.782	.436	.400	.394	14
15				.753	.523	.386	.388	.411	.431	.435	.418	.399	15
16				.645	.492	.384	.389	.401	.387	.431	.406	.407	16
17				.597	.460	.381	.392	.395	.379	.440	.400	.485	17
18				.565	.454	.384	.391	.426	.376	.433	.394	.397	18
19				.543	.587	.380	.389	.421	.377	.445	.386	.540	19
20				.522	.529	.373	.389	.404	.379	.535	.398	.735	20
21				.519	.512	.376	.389	.394	.383	.497	.394	.749	21
22				.530	.459	.609	.395	.400	.379	.434	.571	.745	22
23				.502	.449	.471	.394	.456	.377	.453	.521	.818	23
24				.500	.440	.412	.395	.590	.389	.433	.458	1.11	24
25				.492	.523	.390	.402	.437	.388	.419	.419	1.21	25
26			.789	.604	.618	.383	.421	.424	.385	.412	.878	.563	26
27			.604	1.02	.508	.385	.407	.513	.402	.412	.484	.487	27
28			.566	.595	.478	.384	.421		.415	.461	.523	.465	28
29			.716	.547	.451	.381	.416		.412	.425	.434	.469	29
30			.779	.522	.486	.409	.400		.408	.410	.417	.460	30
31			.972		.473		.413			.435		.434	31

BEAVER CREEK NEAR PORT STANLEY

Station No. 02GC114

Location: At the first township road bridge about 0.6 kilometres upstream of the confluence with Kettle Creek, about 6.4 kilometres north of the Village of Port Stanley

Gauge: None

Drainage Area: 22.8 Square kilometres

Period of Record: May 1977 to December 1979.

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 14	.255	Jul 3	.173	Oct 1	.108
		May 12	.158	Aug 8	.093	Oct 5	.147
		Jun 1	.224	Aug 29	.303	Oct 16	.125
		Jun 26	.119	Sep 25	.065	Oct 22	.142

BERNARD CREEK NEAR SUNDRIDGE

Station No. 02EA101

Location: At the first Concession Road downstream of Lake Bernard outlet, about 8.0 kilometres south of the Village of Sundridge

Gauge: Staff

Drainage Area: 109 Square kilometres

Period of Record: May 1979 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 18	3.95	Aug 17	.210	Oct 17	2.08
		Jun 15	.176				

BLACK CREEK BELOW ACTON

Station No. 02HB106

Location: At the bridge on Concession 4, Township of Esquesing, about 2.4 kilometres southeast of the Town of Acton

Gauge: On-stream recorder

Drainage Area: 25.9 Square kilometres

Period of Record: April 1966 to December 1979

Remarks: On-stream recorder installed March 18th, 1978
Discharge affected by regulation

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1				.753	.407	.552	.295	.223		.204	.245	.261	1
2				.724	.391	.411	.271	.397		.205	.315	.284	2
3				.815	.445	.348	.247	.277		.195	.279	.299	3
4				.658	.500	.318	.228	.231		.261	.258	.299	4
5				.644	.401	.358	.211	.214		.235	.248	.313	5
6				.666	.422	.313	.196	.195	.150	.204	.251	.331	6
7				.583	.423	.282	.188	.190	.200	.239	.297	.341	7
8				.595	.374	.356	.233	.188	.181	.204	.262	.357	8
9			.519	.576	.315	.378	.239	.175	.175	.305	.290	.345	9
10			.538	.511	.184	.447	.217	.193	.188	.212	.407	.388	10
11			.473	.540	.181	.459	.218	.173	.188	.206	.335	.640	11
12			.405	.552	.266	.301	.226	.161	.184	.232	.304	.654	12
13			.423	.790	.558	.199	.227	.164	.185	.220	.280	.444	13
14			1.04	2.51	.549	.191	.198	.160	.817	.202	.264	.239	14
15			.964	1.91	.766	.230	.191	.155	.794	.201	.245	.227	15
16			.934	1.07	1.07	.218	.188	.151	.472	.197	.234	.230	16
17			.676	.718	.887	.183	.178	.153	.344	.207	.231		17
18			.741	.577	.543	.179	.171	.163	.292	.204	.235		18
19			.825	.491	.371	.182	.172	.184	.194	.205	.244		19
20			.815	.437	.225	.173	.176	.293	.179	.223	.246		20
21			.826	.400	.219	.213	.179	.158	.182	.205	.237		21
22			.850	.378	.212	.348	.176	.146	.179	.203	.285		22
23			.837	.360	.236	.171	.174	.163	.177	.209	.355		23
24			1.02	.339	.244	.163	.170		.186	.203	.557		24
25			1.17	.329	.529	.162	.174		.443	.195	.512		25
26			.902	.383	1.09	.158	.179		.579	.193	.721		26
27			.630	.641	.869	.168	.170		.225	.195	.586		27
28			.513	.550	.731	.179	.183		.211	.220	.731		28
29			.517	.459	.726	.164	.186		.232	.208	.755		29
30			.783	.412	.929	.243	.173		.218	.202	.493		30
31			.930		.763		.267			.206			31

BLACK CREEK NEAR OIL SPRINGS

Station No. 02GG101

Location: At the bridge on Enniskillen Township Road 12,
about 1.8 kilometres west of the Village of Oil
Springs

Gauge: None

Drainage Area: 82.9 Square kilometres

Period of Record: June 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
				Aug 8	.014	Oct 9	.004
						Nov 2	.003
						Nov 29	.728

BLUE JAY CREEK AT HIGHWAY NO. 542

Station No. 02CG101

Location: The culvert on Hwy. No. 542, opposite the junction of Hwy. No. 542 and Hwy. No. 542A, about 5.4 kilometres east of the Community of Tehkummah

Gauge: Staff

Drainage Area: 14.0 Square kilometres

Period of Record: April 1979 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 20	1.669	Aug 3	.626		
		May 11	.555	Aug 10	.487		
		May 28	.374				
		Jun 7	.442				
		Jun 26	.371				

BLYTH BROOK NEAR BLYTH
Station No. 02FE105

Location: At the bridge on the Side Road 39-40, Township
of East Wawanosh, about 2.4 kilometres
northwest of the Village of Blyth

Gauge: Staff

Drainage Area: 50.5 Square kilometres

Period of Record: July 1975 to December 1979

Remarks: Records fair

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 9	.623	Jul 4	.074		
		May 31	.368	Jul 18	.071		
		Jun 6	.178	Jul 31	.054		
		Jun 13	.136	Aug 23	.034		
				Sep 5	.031		
				Sep 12	.040		
				Sep 19	.040		
				Sep 28	.031		

BUTLER CREEK BELOW BRIGHTON

Station No. 02HD100

Location: At the wooden bridge on Harbour Street about
1.6 kilometres south of the Village of Brighton

Gauge: Staff

Drainage Area: 30.3 Square kilometres

Period of Record: June 1966 to December 1975
May 1977 to December 1979

Remarks: Records fair

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 9	.334	Aug 16	.082		
		Jun 12	.142	Sep 24	.088		
		Jun 25	.085				

CATFISH CREEK AT GLENCOLIN

Station No. 02GC112

Location: At the bridge on Elgin County Road 30 in the
Community of Glencolin

Gauge: None

Drainage Area: 85.5 Square kilometres

Period of Record: July 1976 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 4	.832	Jul 3	.192	Oct 1	.074
		May 14	.719	Aug 8	.040	Oct 5	.139
		Jun 1	.493	Aug 29	.541	Oct 16	.433
		Jun 12	.204	Sep 24	.091	Oct 22	.428
		Jun 26	.116				

CATFISH CREEK NEAR ORWELL

Station No. 02GC110

Location: At the bridge on Hwy. 3, about 0.8 kilometres
east of the Community of Orwell

Gauge: None

Drainage Area: 135 Square kilometres

Period of Record: May 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Jun 1	.793	Jul 3	.357	Oct 1	.170
		Jun 12	.396	Aug 8	.102	Oct 5	.269
		Jun 26	.192	Sep 24	.181	Oct 16	.739
						Oct 22	.697

COBOURG BROOK AT COBOURG

Station No. 02HD103

Location: At the bridge adjacent to the WPCP in the Town of Cobourg

Gauge: Wire weight

Drainage Area: 126 Square kilometres

Period of Record: July 1966 to December 1979

Remarks: Records good

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 9	1.52	Jul 26	1.87		
		Jun 13	.832	Aug 15	.699		
				Sep 24	.696		

COLBORNE CREEK AT LAKEPORT

Station No. 02HD102

Location: At the bridge in the Hamlet of Lakeport on the road leading to the Village of Colborne

Gauge: Staff

Drainage Area: 44.0 Square kilometres

Period of Record: July 1966 to December 1979

Remarks: Records good

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 9	.552	Aug 16	.170		
		Jun 12	.277	Sep 24	.226		
		Jun 25	.368				

CONISTON CREEK BELOW CONISTON

Station No. 02DB102

Location: At the confluence with the Wanapitei River
southeast of the Community of Coniston

Gauge: On-stream recorder

Drainage Area: 90.9 Square kilometres

Period of Record: September 1979 to December 1979

Remarks: On-stream recorder installed September 19th 1979

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979									
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1						.348	2.20	1.16	1
2						.342	2.42	1.02	2
3						.436	1.75	.966	3
4						.523	1.40	.902	4
5						.522	1.17	.814	5
6						.579	1.48	.878	6
7						.866	1.76	.852	7
8						.810	1.68	.678	8
9						.762	1.56	.651	9
10						.713	1.50	.736	10
11						.729	1.32	.850	1
12						.904	1.15	.708	12
13						.918	1.10	.623	13
14						.825	1.09	.566	14
15						.744	1.17	.538	15
16						.700	1.10	.510	16
17						.677	1.34	.481	17
18						.648	1.41	.453	18
19						.990	1.33	.453	19
20					.639	1.19	2.40	.425	20
21					.673	1.23	2.17	.420	21
22					.590	1.14	2.99	.755	22
23					.561	1.07	4.83	3.35	23
24					.536	1.38	6.74	4.61	24
25					.511	1.22	4.24	3.21	25
26					.492	.990	4.81	2.85	26
27					.427	.893	5.95	2.51	27
28					.412	1.04	3.70	2.18	28
29					.379	1.38	2.38	1.69	29
30					.370	1.72	1.64	1.26	30
31						1.76		1.02	31

DODD CREEK NEAR TALBOTVILLE ROYAL

Station No. 02GC109

Location: At the bridge on the side road leading west off Hwy. 4, about 2.4 kilometres northwest of the Hamlet of Talbotville Royal

Gauge: Staff

Drainage Area: 22.8 Square kilometres

Period of Record: May 1972 to December 1974
June 1978 to December 1979

Remarks: Records fair

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 4	.184	Jul 3	.082	Oct 1	.045
		May 14	.028	Aug 8	.042	Oct 5	.068
		Jun 12	.074	Aug 29	.068	Oct 16	.085
		Jun 26	.057	Sep 25	.059	Oct 22	.025

GAGE CREEK AT PORT HOPE

Station No. 02HD104

Location: At the bridge on Hyw. 2 about 1.6 kilometres
east of the Town of Port Hope

Gauge: Staff

Drainage Area: 43.2 Square kilometres

Period of Record: August 1966 to December 1979

Remarks: Records good

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 9	.405	Jul 26	.170		
		Jun 13	.130	Aug 15	.071		
				Sep 25	.091		

GRAHAM CREEK AT NEWCASTLE

Station No. 02HD105

Location: At the concrete bridge on Mill Street about 0.8 kilometres south of Hwy. 401 in the Village of Newcastle

Gauge: Staff

Drainage Area: 86.2 Square kilometres

Period of Record: November 1965 to December 1979

Remarks: Records good

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 2	.861	Jul 25	.079		
		Jun 13	.405	Aug 16	.139		
				Sep 25	.158		

KETTLE CREEK NEAR PORT STANLEY

Station No. 02GC111

Location: At the road bridge 2.4 kilometres north of the Village of Port Stanley

Gauge: None

Drainage Area: 391 Square kilometres

Period of Record: July 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Jun 26	.671	Jul 3	.773	Oct 1	.665
				Aug 8	.351	Oct 5	.765
				Aug 29	.677	Oct 16	.974
				Sep 7	.416	Oct 22	.595

LOVERS CREEK NEAR BARRIE

Station No. 02EC115

Location: At the culvert on Tollendale Road in the Community of Minet Point

Gauge: Measuring Point

Drainage Area: 61.1 Square kilometres

Period of Record: May 1968 to December 1979

Remarks: Data prior to 1976 appear under the name "Painswick Creek" in the Summer Gauging Site Data section of previous bulletins in this series

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
Mar 28	1.21	Apr 19	.773	Jul 24	.096		
		May 16	1.18				
		Jun 19	.130				

LUCKNOW RIVER AT PORT ALBERT

Station No. 02FD107

Location: At the fish ladder beside the bridge in the Hamlet of Port Albert

Gauge: Staff

Drainage Area: 232 Square kilometres

Period of Record: June 1979 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Jun 14	1.05	Jul 4	1.31	Nov 1	1.68
		Jun 27	.609	Jul 18	.646	Nov 21	1.71
				Aug 16	.580		
				Aug 23	.691		
				Aug 27	.447		
				Sep 12	.501		
				Sep 19	.442		
				Sep 27	.416		

LUCKNOW RIVER NEAR LUCKNOW

Station No. 02FD102

Location: At the bridge on Huron County Road 27 about 2.4 kilometres below the Hamlet of Lucknow

Gauge: Measuring Point

Drainage Area: 126 Square kilometres

Period of Record: January 1969 to December 1979

Remarks: Records good

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 8	2.82	Jul 4	.850		
		May 23	1.42	Jul 18	.385		
		May 30	1.65	Jul 31	.275		
		Jun 6	.818	Aug 16	.255		
		Jun 13	.784	Aug 22	.501		
		Jun 27	.331	Sep 18	.280		
				Sep 27	.201		

MEATBIRD CREEK AT HWY NO. 17

Station No. 02CF108

Location: At the culvert on Hwy. No. 17 about 1.4 kilometres west of the junction of Hwy. No. 17 and Hwy. No. 536

Gauge: Staff

Drainage Area: 33.9 Square kilometres

Period of Record: September 1979 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
				Sep 7	.190	Oct 11	.071
				Sep 21	.136	Oct 26	.229
				Sep 28	.062	Nov 23	.691

MIDDLE MAITLAND RIVER AT BRUSSELS

Station No. 02FE103

Location: At the bridge on Huron County Road 12 in the Village of Brussels

Gauge: None

Drainage Area: 570 Square kilometres

Period of Record: June 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Jun 6	1.14	Jul 31	.076		
				Aug 23	.020		
				Sep 12	.014		
				Sep 19	.014		

MONK'S POND OUTFLOW NEAR ORANGEVILLE

Station No. 02HB113

Location: Credit River tributary at Hwy. 9 about one kilometre west of the Town of Orangeville

Gauge: On-stream recorder

Drainage Area: 2.5 Square kilometres

Period of Record: June 1979 to December 1979

Remarks: Temporary on-stream recorder and weir installed June 28th to October 3rd, 1979

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979									
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1				.0026	.0009	.0007	.0005		1
2				.0014	.0008	.0009	.0010		2
3				.0009	.0009	.0010	.0007		3
4				.0011	.0007	.0009			4
5				.0018	.0012	.0009			5
6					.0016				6
7				.0022	.0017				7
8				.0020	.0010	.0007			8
9				.0015		.0006			9
10				.0020		.0008			10
11				.0023		.0008			11
12				.0022		.0007			12
13				.0019		.0006			13
14				.0014		.0010			14
15				.0007		.0006			15
16				.0004		.0005			16
17				.0004		.0004			17
18				.0005	.0011	.0004			18
19					.0010	.0004			19
20					.0009	.0004			20
21					.0009	.0004			21
22					.0008	.0004			22
23					.0009	.0005			23
24					.0020	.0005			24
25					.0014	.0004			25
26					.0009	.0004			26
27					.0008	.0004			27
28			.0046	.0013		.0004			28
29			.0034	.0011		.0004			29
30			.0049	.0010	.0007	.0005			30
31				.0012	.0007				31

MOOSE CREEK AT LEVACK

Station No. 02CF102

Location: About 61 metres upstream from the confluence
with the Onaping River in the Community of
Levack

Gauge: Measuring Point

Drainage Area: 40.9 Square kilometres

Period of Record: September 1969 to December 1973
May 1979 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 14	1.08	Jul 16	.139	Oct 1	.057
		May 24	.725	Aug 1	.552		
		May 30	.541	Aug 10	.345		
		Jun 4	.326	Aug 20	.215		
		Jun 11	.589				
		Jun 18	.348				
		Jun 27	.303				

MOUNT ALBERT CREEK NEAR MOUNT ALBERT

Station No. 02EC104

Location: At the bridge on Queensville side road about
4.0 kilometres north of the Community of Mount
Albert

Gauge: On-stream recorder

Drainage Area: 63.0 Square kilometres

Period of Record: July 1970 to December 1979

Remarks: Records fair to December 1978, good from April
1st 1979. On-stream recorder installed March
16th, 1978

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1				.765	.657	.479	.615	.402	.370	.369	.539	.596	1
2				.906	.617	.452	.451	.489	.382	.393	.625	.543	2
3				1.13	.637	.436	.404	.467	.410	.419	.590	.554	3
4				.872	.727	.426	.368	.378	.383	.450	.552	.517	4
5				.838	.640	.423	.353	.346	.358	.665	.524	.544	5
6				.921	.648	.420	.356	.346	.352	.652	.515	.616	6
7				.827	.701	.411	.340	.356	.359	.661	.536	.619	7
8				.792	.609	.556	.334	.410	.362	.626	.523	.649	8
9				.734	.560	.532	.334	.358	.357	.776	.515	.546	9
10				.756	.634	.457	.364	.596	.368	.740	.667	.553	10
11				.877	1.16	.615	.403	.557	.460	.625	.630		11
12				.846	.807	.491	.393	.412	.404	.670	.557		12
13				.792	1.30	.435	.374	.370	.371	.763	.515		13
14				1.19	.929	.420	.362	.360	.631	.656	.513		14
15				1.16	.972	.387	.376	.361	.830	.578	.513		15
16				.893	.995	.370	.381	.343	.527	.544	.542		16
17				.774	.703	.349	.367	.338	.431	.515	.513		17
18				.706	.593	.341	.348	.382	.399	.518	.514		18
19				.657	.531	.341	.338	.408	.381	.512	.508		19
20				.634	.518	.327	.333	.371	.366	.571	.537		20
21				.615	.500	.334	.350	.352	.368	.742	.526		21
22				.632	.490	.496	.358	.337	.372	.650	.592		22
23				.618	.468	.428	.357	.341	.360	.589	.803		23
24				.596	.452	.398	.348	.867	.365	.580	.953		24
25				.594	.476	.375	.362	.732	.369	.571	.815		25
26				.606	.683	.354	.376	.478	.362	.555	.923		26
27				.992	.606	.349	.378	.434	.361	.549	.876		27
28				.847	.526	.353	.372	.408	.356	.607	.920		28
29				.705	.511	.344	.378	.406	.358	.621	.874		29
30				.654	.577	.453	.373	.406	.368	.540	.690		30
31					.518		.377	.385					31

NANTICOKE CREEK NEAR JARVIS

Station No. 02GC113

Location: At the bridge on Haldimand-Norfolk Regional
Road 69, about 1.6 kilometres west of the
Community of Jarvis

Gauge: On-stream recorder

Drainage Area: 149.7 Square kilometres

Period of Record: May 1977 to July 1977
July 1979 to December 1979

Remarks: On-stream recorder installed in 1979

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979									
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1				.073	.474		.585	2.21	1
2				.110	.419	.212	.619	1.95	2
3				.095	.380		.705	1.81	3
4				.082	.320		.769	2.02	4
5				.072	.246		.759	1.76	5
6				.056	.212		.739	2.33	6
7				.291	.179		.787	2.14	7
8				.632	.164		.819	2.23	8
9				.412	.145	1.09	.973	1.97	9
10				.330	.088	1.03	2.04	1.86	10
11				.273		1.05	1.83	1.66	11
12				.207		1.19	1.66		12
13				.163		1.29	1.51		13
14				.140		1.13	1.40		14
15				.145		1.03	1.32		15
16				.110		.922	1.28		16
17				.079		.817	1.20		17
18				.070		.741	1.13		18
19				.066		.685	1.04		19
20			.147	.058		.778	.964		20
21			.137	.045		1.19	.900		21
22			.125	.033		1.40	1.06		22
23			.116	.042		1.29	2.13		23
24			.101	.037		1.20	3.20		24
25			.101	.079	.246	1.11	3.31		25
26			.104	.113		.923	3.91		26
27			.081	.129	.263	.776	4.08		27
28			.081	.168		.712	3.31		28
29			.086	.453		.686	2.66		29
30			.077	.566		.669	2.60		30
31			.068	.525		.631			31

NORTH SAUGEEN RIVER NEAR CHESLEY

Station No. 02FC106

Location: At the bridge on Concession 2-3, Township of Edlerslie, about 1.6 kilometres west of the Town of Chesley

Gauge: None

Drainage Area: 225 Square kilometres

Period of Record: July 1975 to November 1975
May 1978 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
				Jul 5	4.24	Oct 18	3.38
				Jul 19	4.17		
				Sep 11	2.15		
				Sep 18	1.77		
				Sep 27	.787		

OTTER CREEK AT MILD MAY

Station No. 02FC108

Location: At the Otter Creek Conservation Area in the Village of Mildmay

Gauge: None

Drainage Area: 38.3 Square kilometres

Period of Record: June 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 8	.971	Jul 5	.354		
		May 23	.623	Jul 19	.300		
		May 30	.779	Aug 1	.280		
		Jun 6	.493	Aug 15	.113		
		Jun 14	.515	Aug 22	.255		
		Jun 28	.362	Sep 11	.246		
				Sep 18	.204		
				Sep 27	.175		

PORCUPINE RIVER AT PORCUPINE

Station No. 04MD101

Location: At the bridge on Hwy. No. 101, at the outlet of Porcupine Lake in the Community of Porcupine, within the City of Timmins

Gauge: Staff

Drainage Area: 84.2 Square kilometres

New station: May to December 1978

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 7	8.23	Jul 4	1.82	Oct 16	3.06
		May 16	7.44	Jul 11	1.31		
		May 24	2.90				
		Jun 1	1.18				
		Jun 12	2.31				
		Jun 18	4.97				
		Jun 27	2.77				

PORCUPINE RIVER AT THE SOUTH PORCUPINE HOSPITAL

Station No. 04MD102

Location: At the bridge over the Porcupine River, just east of the South Porcupine Hospital, in the Community of South Porcupine, within the City of Timmins

Gauge: None

Drainage Area: 35.7 Square kilometres

Period of Record: June 1978 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Jun 12	.181	Jul 5	.167		
		Jun 20	.702	Jul 12	.184		
		Jun 25	.238	Jul 17	.040		
				Aug 1	.071		
				Aug 9	.289		
				Aug 15	.195		

PRINGLE CREEK AT WHITBY

Station No. 02HD108

Location: At the old steel bridge below Victoria Street
East, in the Town of Whitby

Gauge: Staff

Drainage Area: 21.5 Square kilometres

Period of Record: July 1966 to December 1979

Remarks: Records good

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 2	.399	Jul 25	.133		
		Jun 12	.207	Aug 16	.153		
				Sep 26	.167		

REYNOLDS CREEK NEAR PUTNAM

Station No. 02GD109

Location: In the Reynolds Creek Conservation Area near Putnam, about 300 metres upstream from Hwy. 401

Gauge: On-stream recorder

Drainage Area: 151 Square kilometres

Period of Record: June 1979 to December 1979

Remarks: Temporary on-stream recorder and weir

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979									
Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Day
1			.949						1
2				.187					2
3				.201					3
4				.221					4
5				.198					5
6				.184					6
7				.167					7
8									8
9									9
10									10
11									11
12			.405						12
13									13
14									14
15									15
16									16
17				.142					17
18				.159					18
19				.133					19
20				.130					20
21				.130					21
22				.133					22
23			.192	.136					23
24			.187						24
25			.178						25
26			.167						26
27			.175						27
28									28
29									29
30				.079					30
31				.167					31

ROCKY SAUGEEEN RIVER BELOW MARKDALE

Station No. 02FC100

Location: At the culvert on Side Road 100, Township of
Gleneilg, about 0.5 kilometres southwest of the
Village of Markdale

Gauge: Staff

Drainage Area: 92.2 Square kilometres

Period of Record: July 1967 to December 1979

Remarks: Records good

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
				Jul 5	1.43	Oct 18	1.00
				Jul 20	1.12		
				Aug 14	1.29		
				Aug 20	.974		
				Sep 6	1.02		
				Sep 17	1.28		
				Sep 26	.801		

SALEM CREEK NEAR COLBORNE

Station No. 02HD101

Location: About 60 metres upstream from the bridge on Blyth Road, approximately 2.4 kilometres southeast of the Village of Colborne

Gauge: Staff

Drainage Area: 9.1 Square kilometres

Period of Record: November 1965 to December 1979

Remarks: Records good

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 9	.210	Jul 25	.235		
		Jun 12	.156	Aug 16	.125		
				Sep 24	.127		

SAUBLE RIVER NEAR ALLENFORD

Station No. 02FA100

Location: At the side of Hwy. 21, about 0.5 kilometres west of the Police Village of Allenford

Gauge: Measuring Point

Drainage Area: 293 Square kilometres

Period of Record: May 1968 to December 1979

Remarks: Data prior to 1975 appear in the Summer Gauging Site Data section of previous bulletins in this series

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Jun 7	1.03	Jul 9	.368		
		Jun 28	.504	Aug 15	.521		
				Aug 21	.473		

SAUBLE RIVER AT TARA

Station No. 02FA101

Location: At the bridge on the Main Street in the Village of Tara

Gauge: None

Drainage Area: 210 Square kilometres

Period of Record: June 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Jun 14	.699	Jul 5	.379	Oct 18	2.43
		Jun 28	.351	Jul 19	.255		
				Aug 15	.399		
				Sep 26	.478		

SHARPES CREEK NEAR BENMILLER

Station No. 02FE104

Location: At the bridge on Concession 5-6, Township of Colborne, about 3.2 kilometres north of the Community of Benmiller

Gauge: None

Drainage Area: 51.5 Square kilometres

Period of Record: July 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 9	.634	Jul 4	.235		
		May 31	.388	Jul 18	.181		
		Jun 13	.221	Aug 22	.088		
				Sep 19	.085		
				Sep 28	.076		

SOUTH PINE RIVER NEAR RIPLEY

Station No. 02FD106

Location: At the bridge on Concession 5-6, Township of Huron, about 1.6 kilometres southwest of the Village of Ripley

Gauge: None

Drainage Area: 30.6 Square kilometres

Period of Record: June 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 8	.368	Aug 16	.014	Oct 19	.102
		May 23	.051	Aug 23	.017		
		May 30	.062	Sep 11	.014		
		Jun 6	.006	Sep 27	.014		

SPEY RIVER NEAR CHATSWORTH

Station No. 02FB104

Location: At the culvert on Hwys. 6 and 10, about 1.1 kilometres north of the Village of Chatsworth

Gauge: None

Drainage Area: 39.6 Square kilometres

Period of Record: May 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 22	.541	Jul 19	.076	Oct 18	.396
		Jun 15	.323	Aug 14	.263		
		Jun 18	.187	Aug 21	.175		
				Sep 17	.447		
				Sep 26	.201		

TEESWATER RIVER AT TEESWATER

Station No. 02FC104

Location: At the bridge on Hwy. 4 in the Village of Teeswater

Gauge: None

Drainage Area: 130 Square kilometres

Period of Record: June 1975 to December 1979

1979							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 8	2.70	Jul 5	.776		
		May 23	1.29	Jul 19	.518		
		May 30	1.42	Aug 1	.470		
		Jun 7	.804	Aug 15	.518		
		Jun 14	.796	Aug 22	.405		
		Jun 28	.515	Sep 12	.396		
				Sep 18	.343		
				Sep 27	.328		

URFE CREEK NORTH OF PICKERING

Station No. 02HC116

Location: At the first bridge east of Brock Road on
Durham Regional Road No. 4, about 4.0
kilometres north of the Town of Pickering

Gauge: On-stream recorder

Drainage Area: 10.6 Square kilometres

Period of Record: January 1967 to December 1979

Remarks: Records good

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1979

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1				.215	.112	.035	.079	.022	.012	.012	.029	.041	1
2				.836	.095	.032	.031	.057	.015	.012	.035	.039	2
3				.507	.248	.029	.020	.027	.016	.012	.030	.035	3
4				.193	.245	.026	.015	.017	.013	.022	.028	.038	4
5				.448	.130	.025	.014	.014	.012	.043	.027	.051	5
6				.624	.135	.021	.012	.012	.012	.037	.026	.063	6
7			.627	.260	.135	.019	.012	.014	.011	.036	.036	.064	7
8			.686	.204	.100	.031	.012	.016	.012	.023	.032	.073	8
9			.777	.161	.085	.050	.012	.012	.011	.078	.036	.040	9
10			.814	.235	.074	.034	.015	.022	.013	.035	.121	.037	10
11				.263	.067	.080	.016	.015	.015	.033	.054	.041	11
12				.190	.095	.033	.014	.012	.013	.068	.038	.066	12
13				.226	.177	.022	.013	.010	.012	.062	.034	.048	13
14				1.22	.101	.018	.012	.011	.079	.035	.031	.034	14
15				.417	.132	.017	.013	.010	.038	.029	.034	.031	15
16				.219	.145	.016	.014	.010	.018	.024	.039	.033	16
17				.163	.089	.014	.011	.010	.014	.025	.034	.032	17
18				.128	.068	.013	.011	.016	.013	.032	.032	.033	18
19			.334	.111	.061	.011	.010	.015	.011	.032	.030	.033	19
20			.271	.102	.058	.011	.011	.011	.010	.054	.033	.033	20
21			.249	.096	.057	.012	.011	.010	.011	.142	.030	.033	21
22			.223	.098	.047	.027	.011	.009	.011	.051	.108	.032	22
23			.214	.088	.042	.018	.012	.011	.009	.039	.167	.230	23
24			.490	.081	.040	.016	.014	.013	.010	.037	.133	.544	24
25			.761	.080	.061	.013	.016	.012	.010	.034	.088	1.43	25
26			.207	.127	.127	.011	.018	.012	.009	.030	.228	.485	26
27			.116	.527	.079	.012	.016	.021	.009	.028	.118	.179	27
28			.098	.187	.065	.016	.065	.017	.011	.039	.108	.129	28
29			.115	.141	.056	.015	.043	.018	.011	.036	.086	.119	29
30			.349	.120	.049	.070	.018	.016	.011	.032	.057	.118	30
31			.388		.041		.020	.013		.029		.097	31

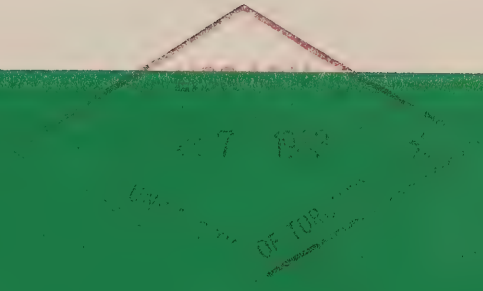
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Ministry
of the
Environment

Water Resources
Bulletin 3-15
Surface water series

Hon. Keith C. Norton, Q. C., Minister
G. J. M. Raymond, Deputy Minister



**SELECTED
STREAMFLOW
DATA FOR
ONTARIO
1980**

*WATER RESOURCES
BULLETIN 3-15
Surface water series*

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1980**

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO

ONTARIO

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Every possible effort is made to ensure the accuracy of the information contained in this publication. Verification of any suspect data may be obtained by contacting the Hydrology and Monitoring Section, Water Resources Branch, Toronto (965-6995).

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INTRODUCTION

This bulletin contains streamflow data collected during 1980 by personnel of the Ministry of the Environment.

The basic data were collected and compiled by the Water Resources Assessment Units of the Ministry's Regional Offices at London, Stoney Creek, Don Mills and Sudbury.

This publication was prepared by personnel of the Hydrology and Monitoring Section of the Water Resources Branch, Ministry of the Environment, Toronto.

Enquiries concerning the data in this bulletin should be made to the following:

Hydrology and Monitoring Section
Water Resources Branch
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5

Technical Support Section
London Regional Office
985 Adelaide Street South
London, Ontario N6E 1V3

Technical Support Section
Toronto Regional Office
150 Ferrand Drive (Suite 700)
Don Mills, Ontario M3C 3C3

Technical Support Section
Hamilton Regional Office
140 Centennial Parkway North
Stoney Creek, Ontario L8E 3H2

Technical Support Section
Sudbury Regional Office
199 Larch Street
Sudbury, Ontario P3E 5P9

Other Data Sources

Data collected by the Regional Offices on a daily basis throughout the year in Southern Ontario are not published in this bulletin.

For convenience, these data are included in the Federal Government publication, "Surface Water Data - Ontario". That publication, which includes streamflow and water-level data for numerous rivers and lakes in the Province, is published annually by Water Survey of Canada. Enquiries should be made to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario K1A 0E7.

Two maps showing the locations of active and discontinued streamflow stations, respectively, in Ontario, at a scale of one inch equals 32 miles, are also available from the Canada Department of the Environment. These maps are part of the Hydrometric Map Supplement to the 1977 Surface Water Reference Index for Canada produced by the Inland Waters Directorate, Water Resources Branch, Department of the Environment. The Hydrometric Map Supplements are produced at approximately 5-year intervals.

Other Ontario Ministry of the Environment publications which are related to the subject of streamflow may be obtained from the Ontario Government Bookstore and these are referenced as follows:

Water Resources Report 11a, Northern Ontario Water Resources Studies, General Characteristics and Frequency Analyses of Streamflows, 1978.

Water Resources Map 3005-1, Low-Flow Characteristics of Streams in the Toronto-Centred Region, 1973.

Water Resources Map 3005-2, Low-Flow Characteristics of Streams in Southwestern Ontario, 1974.

Water Resources Map 3005-3, Low-Flow Characteristics of Streams in Southeastern Ontario, 1977.

Water Resources Map 3005-4, Low-Flow Characteristics of Streams in Northeastern Ontario, 1979.

Water Resources Bulletin, Atlas of Streamflow Stations in Ontario, 1980.

DATA QUALITY

Many of the flows were determined by direct measurements; others are values calculated from a reading of water elevation and an empirically determined stage-discharge relationship. For stations where a stage-discharge relationship has been developed, the following terms are used to describe the quality of the records.

Excellent Records obtained at a site where an intensive discharge measurement program has produced a well-defined and stable stage-discharge relationship.

Good: Records obtained from a site where an intensive discharge measurement program has produced a well-defined stage-discharge relationship which is not completely stable due to minor shifting of the stream bed or other channel properties which control water levels.

Fair: Records obtained from a site where scarcity of discharge measurements has permitted only moderate definition of the stage-discharge relationship.

Poor: Records obtained from a site where an unstable control, poor discharge measurement section or discharge measurements has resulted in a poorly defined stage-discharge relationship.

DEFINITION OF TERMS AND ABBREVIATIONS

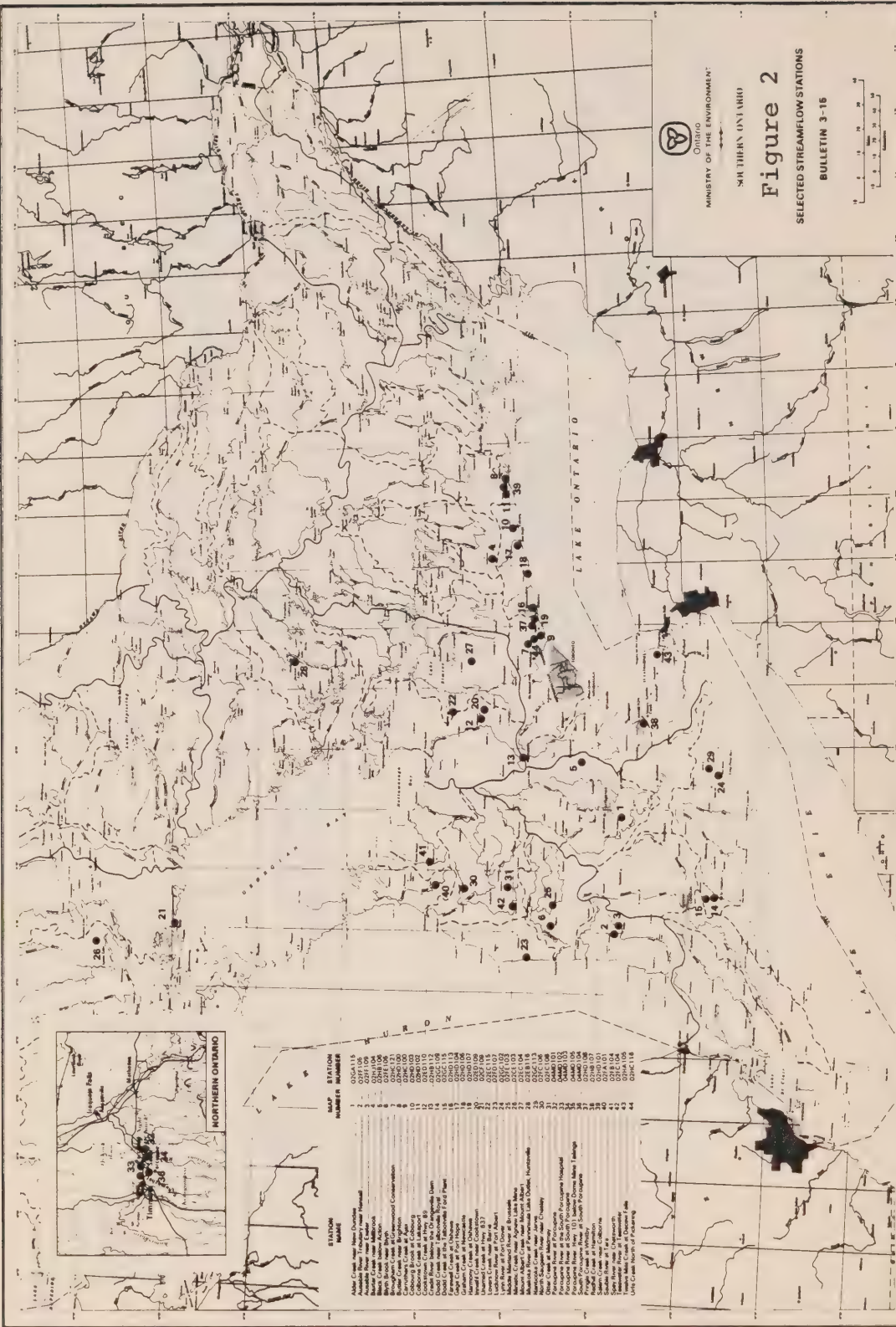
"Cubic metre per second" (m^3/s)	is the unit expressing the rate of streamflow discharge used in this bulletin.
"Cubic decametre" (dam^3)	is the volume of water required to cover an area of 1000 square metres to a depth of one metre. It is equal to 1000 cubic metres.
"WPCP"	Water Pollution Control Plant.
"No Flow" (N.F.)	This notation indicates a field observation of either no streamflow, or a flow of less than $0.001 \text{ m}^3/\text{s}$.
"<"	Less than

1 cubic metre equals 1000 litres.

1 cubic metre per second equals 60,000 litres per minute.

1 cubic metre per second for one day equals 86.4 cubic decametres.

1 cubic metre per second equals 35.3145 cubic feet per second.



MINISTRY OF THE ENVIRONMENT
 ONTARIO
 SOUTHERN ONTARIO
Figure 2
 SELECTED STREAMFLOW STATIONS
 BULLETIN 3-16

ALDER CREEK NEAR NEW DUNDEE

Station No. 02GA115

Location: Adjacent to Waterloo County Road No. 7, Lot 7, Concession 2, Township of Wilmot, about 3.2 kilometres north of the Village of New Dundee.

Gauge: Staff

Drainage
Area: 3.6 square kilometres

Period of Record June 1979 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
				Aug. 5	.068	Oct. 10	.076
				Aug. 11	.062		
				Aug. 15	.062		
				Aug. 22	.056		
				Aug. 29	.051		
				Sep. 5	.039		
				Sep. 8	.068		
				Sep. 26	.076		

AUSABLE RIVER TRIBUTARY NEAR HENSALL
STATION No. 02FF105

Location: At the bridge on Hwy. 4, about 1.8 kilometres south of
the Village of Hensall

Gauge: None

Drainage Area: 15.8 Square kilometres

Period of Record: June 1975 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 2	.212	Jul 23	.025		
		May 5	.153	Jul 31	.062		
		May 12	.091	Aug 14	.011		
		May 22	.156	Aug 25	.011		
		Jun 6	.230				
		Jun 9	.105				
		Jun 19	.048				
		Jun 25	.040				

AUSABLE RIVER NEAR EXETER

Station No. 02FF109

Location: At the bridge at Concession 4, Lot 29, Township of
Usborne, about 6.4 kilometres northeast of the Town of
Exeter

Gauge: Measuring point

Drainage Area: 69.7 Square kilometres

Period of Record: May 1978 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 2	.634	Jul 10	.374		
		May 5	.402	Jul 23	.040		
		May 12	.218	Aug 7	.031		
		May 22	.408	Aug 14	.025		
		Jun 6	.680	Aug 25	.006		
		Jun 19	.088				
		Jun 25	.065				

BAXTER CREEK NEAR MILLBROOK

Station No. 02HJ104

Location: Upstream of the Township road bridge at Lot 10,
Concession 4, Township of Cavan, about 1.6 kilometres
southeast of the Town of Millbrook

Gauge: On-stream recorder

Drainage Area: 30.6 Square kilometres

Period of Record: October 1977 to December 1980

Remarks: Records good. Temporary on-stream recorder installed
April 1st, to November 30, 1980.

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1980									
	Day Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Day
	1	0.521	0.851	0.355	0.402	0.512	0.757	0.405	0.507 1
	2	0.351	0.739	0.430	0.379	0.481	0.821	0.453	0.529 2
	3	0.391	0.692	0.415	0.362	0.527	0.768	0.542	0.502 3
	4	0.598	0.648	0.381	0.362	0.468	0.541	0.703	0.504 4
	5	0.545	0.604	0.346	0.362	0.412	0.438	0.637	0.504 5
	6	0.726	0.581	0.334	0.357	0.394	0.390	0.545	0.489 6
	7	0.840	0.562	0.378	0.362	0.369	0.363	0.500	0.555 7
	8	0.766	0.548	0.371	0.391	0.359	0.349	0.462	0.768 8
	9	0.420	0.543	0.376	0.345	0.370	0.354	0.448	0.691 9
	10	0.433	0.524	0.376	0.340	0.334	0.386	0.433	0.631 10
	11	0.590	0.496	0.352	0.331	0.325	0.360	0.435	0.543 11
	12	0.710	0.504	0.334	0.315	0.365	0.345	0.479	0.501 12
	13	0.757	0.512	0.313	0.310	0.361	0.366	0.445	0.500 13
	14	1.01	0.576	0.308	0.294	0.339	0.441	0.448	0.704 14
	15	1.73	0.555	0.365	0.303	0.324	0.423	0.484	0.677 15
	16	1.04	0.519	0.397	0.334	0.310	0.388	0.437	0.545 16
	17	0.881	0.490	0.345	0.327	0.303	0.396	0.439	0.470 17
	18	0.867	0.577	0.315	0.314	0.309	0.498	0.561	18
	19	0.855	0.609	0.317	0.297	0.316	0.400	0.542	19
	20	0.824	0.539	0.629	0.489	0.304	0.374	0.496	20
	21	0.773	0.490	0.599	2.15	0.296	0.384	0.488	21
	22	0.719	0.459	0.435	0.787	0.300	0.396	0.487	22
	23	0.656	0.439	0.361	0.558	0.327	0.774	0.473	23
	24	0.636	0.422	0.293	0.464	0.316	0.622	0.442	24
	25	0.660	0.403	0.297	0.425	0.302	0.477	0.547	25
	26	0.697	0.363	1.02	0.425	0.301	0.506	1.21	26
	27	0.651	0.360	0.569	0.498	0.300	0.533	0.929	27
	28	0.786	0.361	0.408	0.634	0.448	0.464	0.714	28
	29	1.24	0.358	0.422	1.51	0.459	0.438	0.595	29
	30	1.04	0.334	0.614	0.900	0.374	0.435	0.523	30
	31		0.352		0.614	0.393		0.486	31

BLACK CREEK BELOW ACTON

Station No. 02HB106

Location: At the bridge on Concession 4, Township of Esquesing,
about 2.4 kilometres southeast of the Town of Acton.

Gauge: On-stream recorder.

Drainage Area: 25.9 Square kilometres.

Period of Record: April 1966 to December 1980.

Remarks: Temporary on-stream recorder installed March 6 to
November 30, 1980. Discharge affected by regulation.

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1980											
Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
1		0.576	0.621	0.195	0.335	0.214	0.141	0.135	0.116		1
2		0.483	0.492	0.264	0.248	0.187	0.141	0.162	0.106		2
3		0.397	0.419	0.315	0.215	0.159	0.132	0.239	0.121		3
4		0.540	0.351	0.280	0.206	0.147	0.122	0.186	0.131		4
5		0.512	0.338	0.250	0.184	0.145	0.120	0.157	0.124		5
6	0.092	0.466	0.291	0.268	0.147	0.138	0.111	0.163	0.122		6
7	0.096	0.419	0.257	0.272	0.137	0.125	0.103	0.155	0.143		7
8	0.096	0.459	0.152	0.283	0.156	0.117	0.107	0.146	0.176		8
9	0.116	0.681	0.151	0.243	0.137	0.107	0.124	0.203	0.180		9
10	0.147	0.676	0.177	0.221	0.135	0.099	0.117	0.378	0.208		10
11	0.213	0.578	0.210	0.200	0.125	0.100	0.103	0.143	0.227		11
12	0.293	0.522	0.219	0.189	0.117	0.140	0.112	0.137	0.172		12
13	0.255	0.470	0.271	0.184	0.118	0.110	0.138	0.125	0.149		13
14	0.223	0.671	0.385	0.175	0.128	0.110	0.132	0.127	0.157		14
15	0.189	1.28	0.314	0.188	0.184	0.111	0.115	0.129	0.142		15
16	0.166	0.960	0.267	0.182	0.171	0.101	0.114	0.135	0.136		16
17	0.472	0.715	0.273	0.179	0.154	0.092	0.137	0.139	0.138		17
18	0.282	0.576	0.555	0.171	0.145	0.102	0.120	0.216	0.131		18
19	0.612	0.499	0.481	0.172	0.143	0.108	0.112	0.188	0.127		19
20	0.959	0.468	0.393	0.280	0.151	0.115	0.108	0.201	0.127		20
21	2.12	0.410	0.317	0.207	0.180	0.128	0.120	0.184	0.131		21
22	1.54	0.353	0.261	0.182	0.177	0.124	0.146	0.175	0.134		22
23	0.832	0.332	0.232	0.194	0.166	0.121	0.241	0.152	0.141		23
24	0.627	0.367	0.217	0.180	0.142	0.108	0.139	0.145	0.151		24
25	0.533	0.363	0.213	0.171	0.137	0.113	0.143	0.257	0.142		25
26	0.473	0.328	0.216	0.162	0.133	0.111	0.209	0.299	0.128		26
27	0.450	0.300	0.192	0.185	0.147	0.112	0.142	0.261	0.127		27
28	0.454	0.617	0.188	0.192	0.431	0.109	0.126	0.231	0.146		28
29	0.456	0.984	0.179	0.350	0.522	0.116	0.130	0.217	0.148		29
30	0.401	0.850	0.180	0.507	0.320	0.117	0.138	0.197	0.153		30
31	0.468		0.193		0.239	0.252		0.130			31

BLYTH BROOK NEAR BLYTH

Station No. 02FE105

Location: At the bridge on the Side Road 39-40, Township of East Wawanosh, about 2.4 kilometres northwest of the Village of Blyth.

Gauge: Staff

Drainage Area: 50.5 Square kilometres

Period of Record: July 1975 to December, 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 5	.569	Jul 9	.108		
		May 14	.595	Jul 25	.071		
		Jun 4	.303	Aug 12	.068		
		Jun 11	.170	Aug 26	.037		
		Jun 24	.127				

BROUGHAM CREEK AT GREENWOOD CONSERVATION AREA
STATION NO. 02HC121

Location: At the bridge on Con. 5, Township of Pickering, just upstream of the confluence with Duffins Creek in the Greenwood Conservation Area.

Gauge: Measuring Point

Drainage Area: 12.7 Square kilometres

Period of Record: April to December, 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 23	.158	Jul 18	.700	Oct 16	.075
		May 28	.080	Jul 29	.242		
		Jun 20	.154	Aug 18	.075		

BUTLER CREEK BELOW BRIGHTON
STATION NO. 02HD100

Location: At the wooden bridge on Harbour Street about 1.6 kilometres south of the Village of Brighton.

Gauge: Staff

Drainage Area: 30.3 Square kilometres

Period of Record: June 1966 to December 1975
May 1977 to December 1980

Remarks: Records fair

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 23	.283	Jul 10	.136		
		May 28	.120	Aug 13	.120		
		Jun 24	.109	Aug 29	.081		
				Sep 24	.094		
				Oct 24	1.32		
				Oct 30	.379		

CARRUTHERS CREEK AT AJAX
STATION NO. 02HC100

Location: At the bridge on Baseline Road, about .8 kilometres east of the Town of Ajax.

Gauge: Staff

Drainage Area: 31.1 Square kilometres

Period of Record: April 1967 to December 1974, 1978
May to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 29	.024	Jul 11	.018	Oct 23	.109
		Jun 30	.988	Aug 29	.022	Oct 29	.217
				Sep 12	.039		

COBOURG BROOK AT COBOURG
STATION NO. 02HD103

Location: At the bridge adjacent to the WPCP in the Town of Cobourg .
Gauge: Wire weight
Drainage Area: 126 Square kilometres
Period of Record: July 1966 to December 1980
Remarks: Records good

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 23	1.35	Jul 10	.640	Oct 24	.784
		May 14	1.31	Aug 13	.714	Oct 30	1.14
		May 28	.714	Sep 12	.603		
		Jun 25	.657	Sep 24	.694		

COLBORNE CREEK AT LAKEPORT
STATION NO. 02HD102

Location: At the bridge in the Hamlet of Lakeport on the road leading to the Village of Colborne.

Gauge: Staff

Drainage Area: 44.0 Square kilometres

Period of Record: July 1966 to December 1980

Remarks: Records good

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 23	.476	Jul 10	.204		
		May 28	.297	Aug 13	.278		
		Jun 24	.204	Aug 29	.235		
				Sep 24	.242		
				Oct 24	.279		
				Oct 30	.362		

COOKSTOWN CREEK AT HWY.89

Station No. 02ED110

Location: At the western boundary of the Cookstown town limits on Hwy. 89.

Gauge: Recording

Drainage Area: 20.7 Square kilometres.

Period of Record: May to November 1980.

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1980								
May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day
	0.007	0.057	0.082		0.068	0.108		1
	0.040	0.054	0.078		0.442	0.101		2
	0.022	0.034	0.116		0.487	0.095		3
	0.016	0.019	0.059		0.530	0.099		4
	0.012	0.012	0.041	0.123	0.214	0.109		5
	0.019	0.008	0.042	0.079	0.140	0.107		6
	0.037	0.006	0.031	0.055	0.120	0.137		7
	0.031	0.007	0.041	0.040	0.093	0.194		8
	0.025	0.008	0.040	0.055	0.073	0.277		9
	0.022	0.006	0.028	0.069	0.061	0.221		10
	0.019	0.002	0.024	0.045	0.061	0.163		11
	0.014	0.001	0.238	0.033	0.059	0.145		12
0.040	0.008	0.001	0.104	0.042	0.072	0.172		13
0.057	0.007	0.001	0.063	0.065	0.079	0.389		14
0.037	0.016	0.015	0.043	0.063	0.065	0.234		15
0.023	0.014	0.013	0.032	0.050	0.061	0.168		16
0.019	0.008	0.007	0.025	0.086	0.067	0.143		17
0.153	0.011	0.005	0.039	0.104	0.112	0.143		18
0.125	0.007	0.003	0.047	0.064	0.092	0.125		19
0.071	0.297	0.161	0.033	0.050	0.089	0.110		20
0.042	0.178	3.68 E	0.026	0.045	0.089	0.117		21
0.024	0.079	0.934	0.864	0.074	0.087	0.133		22
0.018	0.048	0.654	0.651	0.555	0.076	0.127		23
0.014	0.018	0.201	0.220	0.179	0.072	0.132		24
0.008	0.008	0.062	0.127	0.145	0.294	0.135		25
0.008	0.006	0.261	0.090	0.530	0.555	0.127		26
0.007	0.005	1.53	0.070	0.257	0.238			27
0.007	0.007	3.11	0.589	0.150	0.181			28
0.007	0.040	2.44	0.221	0.103	0.146			29
0.006	0.156	0.765	0.256	0.081	0.129			30
0.005		0.351	1.13 E		0.118			31

CREDIT RIVER BELOW THE ORANGEVILLE DAM
STATION NO. 02HB112

Location: About 200 metres downstream from the outlet of the Orangeville dam at the eastern limits of the Town of Orangeville

Gauge: Staff

Drainage Area: 18.1 Square kilometres

Period of Record: May 1978 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 27	.034	Jul 17	.210		
		Jun 5	.232	Aug 12	.221		

DODD CREEK NEAR TALBOTVILLE ROYAL
STATION NO. 02GC109

Location: At the bridge on the side road leading west off Hwy.4,
about 2.4 kilometres northwest of the Hamlet of
Talbotville Royal

Gauge: Staff

Drainage Area: 22.8 Square kilometres

Period of Record: May 1972 to December 1974
June 1978 to December 1980

Remarks: Records fair

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 1	.181	Jul 4	.074		
		May 7	.099	Jul 10	.011		
		May 12	.082	Jul 23	.153		
		May 22	.122	Aug 7	.062		
		Jun 19	.079	Aug 14	.048		
		Jun 19	.099	Aug 25	.006		

DODD CREEK AT THE TALBOTVILLE FORD PLANT
STATION NO. 02GC115

Location: About 300 metres upstream of the bridge on Hwy. 4,
about 0.4 kilometres north of the Ford Motor Company
Talbotville Plant

Gauge: On stream recorder

Drainage Area: 19.2 Square kilometres

Period of Record: June to December 1978
May to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 1	.096	Jul 4	.003		
		May 7	.042	Jul 8	.008		
		May 12	.020	Jul 23	.074		
		May 22	.037	Aug 7	.031		
		Jun 19	.025	Aug 14	.014		
		Jun 25	.020	Aug 25	.006		

FAREWELL CREEK AT OSHAWA
STATION NO. 02HD113

Location: At the bridge on Bloor Street East immediately above Hwy. 401 in the City of Oshawa

Gauge: Measuring Point

Drainage Area: 55.7 Square kilometres

Period of Record: May to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 14	.334	Jul 11	.139	Oct 23	.294
		May 29	.113	Aug 19	.117	Oct 29	.592
				Aug 28	.137		
				Sep 12	.119		

GAGE CREEK AT PORT HOPE
STATION NO. 02HD104

Location: At the bridge on Hwy. 2 about 1.6 kilometres east of the Town of Port Hope

Gauge: Staff

Drainage Area: 43.2 Square kilometres

Period of Record: August 1966 to December 1980

Remarks: Records good

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 23	.323	Aug 19	.067	Oct 23	.169
		May 14	.240	Sep 12	.130	Oct 30	.385
		May 28	.078	Sep 24	.120		
		Jun 25	.069				

GRAHAM CREEK AT NEWCASTLE
STATION NO. 02HD105

Location: At the concrete bridge on Mill Street about 0.8 kilometres south of Hwy. 401 in the Village of Newcastle

Gauge: Staff

Drainage Area: 86.2 Square kilometres

Period of Record: November 1965 to December 1980

Remarks: Records good

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 23	.810	Jul 11	.227	Oct 23	.374
		May 14	.521	Aug 19	.139	Oct 29	.705
				Aug 29	.170		
				Sep 12	.210		

HARMONY CREEK AT OSHAWA
STATION NO. 02HD107

Location: At the bridge on Bloor Street East immediately above
Hwy. 401 in the City of Oshawa

Gauge: Staff

Drainage Area: 38.3 Square kilometres

Period of Record: April 1967 to December 1974
March to June 1977
April to June 1980

1980			
Jan. to March		April to June	
July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s
		May 14	.214
		May 29	.055
		Jun 30	2.11

INNISFIL CREEK NEAR COOKSTOWN
STATION NO. 02ED109

Location: At the bridge on Con. 13, Township of West Gwillimbury
just east of the intersection with Hwy. 27 about 2.42
kilometres south of Cookstown

Gauge: Recording

Drainage Area: 94.0 Square kilometres

Period of Record: April to December 1980

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1980								
Day	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1		2.51	0.167	0.577	0.702		0.628	
2		1.68	0.376	0.415	0.512		2.29	
3		1.20	0.255	0.329	0.615			
4		0.965	0.151	0.189	0.429			
5		0.821	0.157	0.141	0.333			
6		0.691	0.157	0.130	0.321		1.73	
7		0.580	0.258	0.123	0.297		1.27	1.06
8		0.537	0.245	0.125	0.280			1.74
9		0.512	0.193	0.124	0.319			2.05
10		0.480	0.205	0.125	0.226			2.22
11		0.446	0.174	0.125	0.270			1.46
12		0.436	0.153	0.126	0.884	0.340		1.10
13		0.407	0.138	0.128	0.682	0.346		1.07
14		0.508	0.137	0.129	0.444	0.526		2.79
15		0.440	0.243	0.130	0.328	0.505		2.31
16		0.376	0.234	0.141	0.262	0.409	0.818	1.37
17		0.336	0.145	0.137	0.223	0.428	0.802	0.936
18		0.711	0.141	0.135	0.223	0.593	1.15	0.820
19	1.42	0.881	0.154	0.136	0.284	0.436	1.12	0.791
20	1.30	0.677	0.684	0.286	0.214	0.355	1.02	0.767
21	1.16	0.516	0.864		0.180	0.355	0.940	0.818
22	0.948	0.414	0.495			0.297	0.901	0.943
23	0.844	0.334	0.390			1.29	0.771	0.944
24	0.757	0.226	0.252	1.99	2.72	1.20	0.699	0.962
25	1.06	0.225	0.154	0.886	1.17	0.91	0.957	0.961
26	1.37	0.197	0.161	0.553	0.701	1.87		0.844
27	1.07	0.180	0.153	1.10	0.502	1.64		
28		0.185	0.153		2.05	1.25		
29		0.186	0.197		1.29	0.899		
30		0.176	0.863	2.79	0.832	0.748		
31		0.172		1.13	1.08			

UNNAMED CREEK AT HWY.#637
STATION NO. 02CF109

Location: At the bridge on Hwy. 637 about 5 kilometres east of Kilarney

Gauge: Staff

Drainage Area: 2.24 Square kilometres

Period of Record: January to October 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
Jan 9	.047	May 5	.011	Jul 1	.003	Oct 1	.005
Jan 13	.029	May 12	.031	Jul 7	.002	Oct 7	.060
Jan 18	.137	May 20	.011	Jul 15	.002	Oct 15	.009
Feb 14	.009	May 26	.003	Jul 22	.002	Oct 21	.027
Feb 27	.008	Jun 3	.004	Jul 30	.001	Oct 28	.023
Mar 13	.006	Jun 10	.005	Aug 5	.002		
Mar 18	.062	Jun 18	.003	Aug 11	.001		
Mar 21	.188	Jun 24	.003	Aug 19	.002		
Mar 24	1.53			Aug 26	.001		
Mar 26	.144			Sep 2	.001		
Mar 31	.270			Sep 11	.001		
Apr 3	.447			Sep 17	.005		
Apr 8	.489			Sep 23	.006		
Apr 9	2.14						
Apr 10	.533						
Apr 11	.489						
Apr 14	.089						
Apr 21	.039						
Apr 28	.034						

LOVERS CREEK NEAR BARRIE
STATION NO. 02EC115

Location: At the culvert on Tollendale Road in the Community of Minet Point

Gauge: Measuring Point

Drainage Area: 61.1 Square kilometres

Period of Record: May 1968 to December 1980

Remarks: Data prior to 1976 appear under the name "Painswick Creek" in the Summer Gauging Site Data section of previous bulletins in this series.

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 17	1.00	Jul 31	.711		
		May 26	.232	Aug 15	.187		
		Jun 26	.168				

LUCKNOW RIVER AT PORT ALBERT
STATION NO. 02FD107

Location: At the fish ladder beside the bridge in the Hamlet of Port Albert

Gauge: Staff

Drainage Area: 232 Square kilometres

Period of Record: June 1979 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 1	18.4	Jul 9	1.00		
		Apr 8	10.6	Jul 25	.980		
		Apr 22	5.53	Jul 31	1.47		
		May 3	3.79	Aug 5	.790		
		May 14	3.15	Aug 12	.626		
		Jun 4	1.92	Aug 26	.263		
		Jun 9	2.01				
		Jun 11	1.71				
		Jun 24	1.34				

LYNN RIVER AT PORT DOVER
STATION NO. 02GC102

Location: At the old dam site upstream of Silver Lake in the community of Port Dover

Gauge: Staff

Drainage Area: 146 Square kilometres

Period of Record: April 1965 to December 1975
April to November 1977
May to December 1980

Remarks: Data prior to 1976 appear under the name "Painswick Creek" in the Summer Gauging Site Data section of previous bulletins in this series.

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 15	2.35				
		May 28	1.29				
		Jun 11	1.62				
		Jul 16	1.01				
		Jul 30	1.36				
		Aug 18	1.39				

MIDDLE MAITLAND RIVER AT BRUSSELS
STATION NO. 02FE103

Location: At the bridge on Huron County Road 12 in the Village of Brussels

Gauge: None

Drainage Area: 570 Square kilometres

Period of Record: June 1975 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 14	2.51	Jul 9	.244		
		Jun 4	1.76	Jul 25	.122		
		Jun 11	1.40	Aug 5	.142		
		Jun 24	.575	Aug 12	.096		
				Aug 26	.028		

MINISTIC CREEK NEAR AGNEW LAKE MINE
STATION NO. 02CE103

Location: Downstream of culverts crossing Agnew Lake Mine Road about 5.6 kilometres from the intersection with High Falls Road.

Gauge: Recording

Drainage Basin: 41.2 Square kilometres

Period of Record: 1978 to December 1980

Remarks: Data for 1978 and 1979 contributed to Water Survey of Canada for publication.

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1980						
Day	Jan	Feb	Mar	Apr	May	Jun
1	0.368	0.325	0.173			0.258
2	0.354	0.312	0.171			0.229
3	0.334	0.287	0.171			0.247
4	0.255	0.280	0.174			0.229
5	0.238	0.255	0.171			0.237
6	0.232	0.243	0.169			0.224
7	0.263	0.241	0.171			0.256
8	0.278	0.234	0.171			0.783
9	0.283	0.223	0.171			0.630
10	0.283	0.218	0.169			
11	0.481	0.221	0.170			
12	0.736	0.216	0.165			
13	0.850	0.217	0.162			
14	0.793	0.214	0.161			
15	0.736	0.208	0.159			
16	0.680	0.198	0.152			
17	0.609	0.190	0.173		0.468	
18	0.552	0.196	0.198		0.675	
19	0.708	0.195	0.193		1.03	
20	0.680	0.198	0.216		0.759	
21	0.637	0.199	0.281		0.585	
22	0.595	0.201	0.342		0.491	
23	0.566	0.208	0.331		0.445	
24	0.538	0.207	0.295		0.530	
25	0.496	0.199	0.267		0.525	
26	0.463	0.189	0.244		0.351	
27	0.436	0.197	0.227		0.361	
28	0.431	0.179	0.228		0.353	
29	0.389	0.178	0.248		0.298	
30	0.352		0.301		0.285	
31	0.328		0.381		0.267	

MOUNT ALBERT CREEK NEAR MOUNT ALBERT
STATION NO. 02EC104

Location: At the bridge on Queensville side road about 4.0 kilometres north of the Community of Mount Albert.

Gauge: On-stream recorder

Drainage Basin: 63.0 Square kilometres

Period of Record: July 1970 to December 1973-Periodic Data
April 1976 to November 1980 - Seasonal Recorder

Remarks: Temporary on-stream recorder installed April 1 to November 17, 1980.

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1980								
Day	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	0.521	0.850	0.354	0.402	0.513	0.756	0.405	0.507
2	0.351	0.739	0.430	0.379	0.481	0.821	0.453	0.530
3	0.391	0.691	0.416	0.362	0.527	0.767	0.541	0.501
4	0.597	0.648	0.382	0.362	0.467	0.541	0.702	0.504
5	0.547	0.603	0.345	0.362	0.411	0.439	0.637	0.504
6	0.725	0.580	0.334	0.357	0.394	0.391	0.544	0.490
7	0.841	0.561	0.379	0.362	0.368	0.362	0.501	0.555
8	0.767	0.549	0.371	0.391	0.360	0.348	0.462	0.767
9	0.419	0.544	0.377	0.345	0.368	0.354	0.447	0.691
10	0.433	0.524	0.377	0.340	0.334	0.385	0.433	0.631
11	0.592	0.496	0.351	0.331	0.326	0.360	0.436	0.544
12	0.711	0.504	0.334	0.314	0.365	0.345	0.479	0.501
13	0.756	0.513	0.311	0.309	0.362	0.365	0.445	0.501
14	1.01	0.575	0.309	0.294	0.340	0.442	0.447	0.413
15	1.73	0.555	0.365	0.303	0.323	0.422	0.484	0.677
16	1.04	0.518	0.396	0.334	0.309	0.388	0.436	0.544
17	0.881	0.490	0.345	0.328	0.303	0.396	0.440	0.470
18	0.867	0.578	0.314	0.314	0.309	0.498	0.561	
19	0.855	0.609	0.317	0.297	0.317	0.399	0.541	
20	0.824	0.538	0.629	0.490	0.303	0.374	0.500	
21	0.773	0.490	0.600	0.215	0.297	0.385	0.487	
22	0.719	0.459	0.436	0.787	0.300	0.396	0.487	
23	0.657	0.439	0.362	0.558	0.326	0.773	0.473	
24	0.634	0.422	0.292	0.464	0.317	0.623	0.442	
25	0.657	0.402	0.297	0.425	0.303	0.479	0.547	
26	0.697	0.362	1.02	0.425	0.300	0.507	1.21	
27	0.651	0.360	0.569	0.498	0.300	0.532	0.929	
28	0.787	0.360	0.408	0.634	0.447	0.464	0.714	
29	1.24	0.357	0.422	1.51	0.459	0.439	0.595	
30	1.04	0.334	0.614	0.900	0.374	0.433	0.524	
31		0.351		0.614	0.394		0.487	

MUSKOKA RIVER AT PENNINSULA LAKE OUTLET, HUNTSVILLE
STATION NO. 02EB116

Location: At the bridge on Canal Road at the outlet of Peninsula Lake about 7.4 kilometres east of the Town of Huntsville.

Gauge: Staff

Drainage Area: 22.4 Square kilometres

Period of Record: May to October 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 1	1.01	Jul 31	2.02	Oct 14	2.11
		May 30	1.04	Aug 7	0		
		Jun 12	2.46	Aug 26	1.42		
		Jun 27	7.28	Sep 29	1.08		

NORTH SAUGREEN RIVER NEAR CHESLEY
STATION NO. 02FC106

Location: At the bridge on Concession 2-3, Township of
Edlerslie, about 1.6 kilometres west of the Town of
Chesley

Gauge: None

Drainage Area: 225 Square kilometres

Period of Record: July 1975 to November 1975
May 1978 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 6	5.84	Jul 8	3.50		
		May 15	4.58	Jul 24	5.88		
		Jun 5	4.62	Aug 5	5.60		
		Jun 12	3.67	Aug 13	3.61		
		Jun 23	7.97	Aug 27	2.03		

OTTER CREEK AT MILD MAY
STATION NO. 02FC108

Location: At the Otter Creek Conservation Area in the Village of Mildmay

Gauge: None

Drainage Area: 38.3 Square kilometres

Period of Record: June 1975 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 6	.629	Jul 9	.326		
		May 14	.731	Jul 24	.314		
		Jun 4	.433	Aug 5	.280		
		Jun 11	.411	Aug 12	.272		
		Jun 24	.382	Aug 26	.176		

PORCUPINE RIVER AT PORCUPINE
STATION NO. 04MD101

Location: At the bridge on Hwy. No. 101, at the outlet of
Porcupine Lake in the Community of Porcupine, within
the City of Timmins.

Gauge: Staff

Drainage Area: 84.2 Square kilometres

Period of Record: May 1978 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 28	9.119				
		May 6	5.046				
		May 26	1.708				
		Jun 2	0.556				
		Jun 9	1.341				

PORCUPINE RIVER AT THE SOUTH PORCUPINE HOSPITAL
STATION NO. 04MD102

Location: At the bridge over the Porcupine River, just east of the South Porcupine Hospital, in the Community of South Porcupine.

Gauge: None

Drainage Area: 35.7 Square kilometres

Period of Record: June 1978 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 29	2.449				
		May 7	0.698				
		May 12	2.199				
		May 20	0.189				
		May 26	0.395				
		Jun 02	0.614				
		Jun 09	0.748				

PORCUPINE RIVER AT SOUTH PORCUPINE
STATION NO. 04MD103

Location: At the bridge on Evans Street, at the inlet to
Porcupine Lake in the community of South Porcupine.

Gauge: Staff

Drainage Area: 73.0 Square kilometres

Period of Record: April 1980 to June 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 28	6.068				
		May 6	1.411				
		May 12	5.059				
		May 20	0.542				
		May 26	0.763				
		Jun 2	1.069				
		Jun 9	0.545				

PORCUPINE RIVER, HWY 101 BELOW DOME MINE TAILINGS
STATION NO. 04MD105

Location: At the bridge on Highway #101 about 3.2 kilometres west
of the Community of South Porcupine

Gauge: Staff

Drainage Area: 11.0 Square kilometres

Period of Record: April 1980 to June 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 22	1.360				
		Apr 29	0.710				
		May 6	0.265				
		May 13	0.426				
		May 20	0.067				
		May 26	0.130				
		Jun 02	0.200				
		Jun 09	0.169				

SOUTH PORCUPINE RIVER AT SOUTH PORCUPINE
STATION NO. 04MD104

Location: At O.N.R. Railway Bridge just above the confluence
with Porcupine River, 1 kilometre south of the
Community of South Porcupine.

Gauge: Staff

Drainage Area: 36.3 Square kilometres

Period of Record: April 1980 to June 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 22	0.781				
		Apr 28	0.496				
		May 13	1.956				
		May 20	0.209				
		May 26	0.202				
		Jun 2	0.409				
		Jun 9	0.208				

PRINGLE CREEK AT WHITBY
STATION NO. 02HD108

Location: At the old steel bridge below Victoria Street East, in the Town of Whitby

Gauge: Staff

Drainage Area: 21.5 Square kilometres

Period of Record: July 1966 to December 1980

Remarks: Records good

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
						Oct 23	.294
						Oct 29	.413
		May 5	.361	Jul 11	.257		
		May 29	.244	Aug 19	.238		
		Jun 30	2.27	Aug 29	.250		

REDHILL CREEK AT HAMILTON
STATION NO. 02HB107

Location: At the bridge on Barton Street in the City of Hamilton
Gauge: Staff
Drainage Area: 52.8 Square kilometres
Period of Record: May 1968 to December 1977
June to August 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Jun 11	.139	Jul 22	.345		
		Jun 20	.280	Aug 18	.040		

SALEM CREEK NEAR COLBORNE
STATION NO. 02HD101

Location: About 60 metres upstream from the bridge on Blyth Road, approximately 2.4 kilometres southeast of the Village of Colborne

Gauge: Staff

Drainage Area: 9.1 Square kilometres

Period of Record: November 1965 to December 1980

Remarks: Records good

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		Apr 23	.187	Jul 10	.141	Oct 24	.137
		May 28	.129	Aug 13	.139	Oct 30	.162
		Jun 24	.092	Aug 29	.119		
				Sep 24	.148		

SAUBLE RIVER AT TARA
STATION NO. 02FA101

Location: At the bridge on the Main Street in the Village of Tara
Gauge: None
Drainage Area: 210 Square kilometres
Period of Record: June 1975 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 6	1.70	Jul 8	1.24		
		May 15	1.25	Aug 13	.954		
		Jun 5	1.46	Aug 27	.513		
		Jun 12	1.25				
		Jun 23	3.96				

SPEY RIVER NEAR CHATSWORTH
STATION NO. 02FB104

Location: At the culvert on Hwys. 6 and 10, about 1.1 kilometres north of the Village of Chatsworth

Gauge: None

Drainage Area: 39.6 Square kilometres

Period of Record: May 1975 to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 6	.600	Jul 8	.283		
		May 15	.513	Jul 24	.155		
		Jun 5	.422	Aug 6	.399		
		Jun 12	.385	Aug 13	.362		
		Jun 23	1.01	Aug 27	.136		

TEESWATER RIVER AT TEESWATER
STATION NO. 02FC104

Location: At the bridge on Hwy. 4 in the Village of Teeswater
Gauge: None
Drainage Area: 130 Square kilometres
Period of Record: June 1975 to December 1980

1980			
Jan. to March		April to June	
July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s
		May 6	1.86
		May 14	2.31
		Jun 4	1.04
		Jun 11	1.01
		Jul 8	.535
		Jul 24	.623
		Aug 5	.544
		Aug 12	.538
		Aug 26	.210

TWELVE MILE CREEK AT DECEW FALLS
STATION NO. 02HA105

Location: At the bridge on 1st Street South, in the Community of Decew Falls

Gauge: Measuring Point

Drainage Area: 48.7 Square kilometres

Period of Record: May 1969 to December 1975
April 1977 to December 1978
May to December 1980

1980							
Jan. to March		April to June		July to Sept.		Oct. to Dec.	
Date	m ³ /s	Date	m ³ /s	Date	m ³ /s	Date	m ³ /s
		May 13	.314				
		Jun 9	.345				
		Jun 25	.221				
		Jul 28	.218				

URFE CREEK NORTH OF PICKERING
STATION NO. 02HC116

Location: At the first bridge east of Brock Road on Durham
Regional Road No. 4, about 4.0 kilometres north of the
Town of Pickering

Gauge: On-stream recorder

Drainage Area: 10.6 Square kilometres

Period of Record: January 1977 to December 1980

Remarks: Temporary on-stream recorder installed June 18 to
November 30, 1980

DAILY DISCHARGE IN CUBIC METRES PER SECOND

1980								
Day	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1		0.050	0.047	0.126	0.012	0.046	0.083	
2		0.039	0.036	0.101	0.020	0.044		
3		0.028	0.041	0.059	0.037	0.045		
4		0.022	0.030	0.034	0.062	0.057		
5		0.020	0.025	0.025	0.038	0.059		
6		0.017	0.023	0.018	0.030	0.054		
7		0.013	0.018	0.013	0.025	0.075		
8		0.016	0.021	0.010	0.022	0.092		
9		0.015	0.023	0.020	0.016	0.091		
10		0.014	0.015	0.022	0.018	0.084		
11		0.012	0.014	0.010	0.028	0.063		
12		0.010	0.047	0.008	0.031	0.055		
13		0.009	0.025	0.020	0.025	0.055		
14		0.007	0.024	0.037	0.021	0.101		
15		0.017	0.020	0.021	0.020	0.084		
16		0.017	0.013	0.015	0.023	0.063		
17		0.039	0.01	0.018	0.030	0.051		
18	0.019	0.018	0.013	0.017	0.0113	0.052		
19	0.024	0.013	0.013	0.011	0.054	0.054		
20	0.106	0.094	0.010	0.010	0.039	0.053		
21	0.050	0.232	0.011	0.016	0.039	0.055		
22	0.030	0.077	0.010	0.016	0.039	0.060		
23	0.023	0.050	0.011	0.077	0.037	0.056		
24	0.020	0.034	0.010	0.028	0.039	0.058		
25	0.018	0.020	0.007	0.019	0.127	0.066		
26	0.026	0.023	0.006	0.035	0.178	0.055		
27	0.048	0.033	0.007	0.024	0.088	0.051		
28	0.046	0.064	0.022	0.017	0.068	0.081		
29	0.058	0.269	0.018	0.013	0.057	0.109		
30	0.120	0.176	0.030	0.013	0.051	0.088		
31		0.069	0.110		0.047			

